# Property Valuation Comparison of Noise-Mitigated Residences

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# ABSTRACT

This purpose of this study was to provide accurate information related to the effects of noise mitigation options on property values, including determining if property values were higher for noise-mitigation residences than non-mitigated residents and if property values were higher for residences behind earthen mounds than for residences behind structural noise walls. The hedonic method model results varied; however, when analyzing the full data set for a minimum number of variables, property values were higher for noise-mitigated residences (versus no noise mitigation) and for residences behind earthen mounds (versus structural walls). The results of this study could influence priorities and policies at the state level to save money and increase noise mitigation effectiveness. In addition, communities could consider changes to their codes and regulations in order to help improve residents' quality of life and property values. Overall, changes to municipal codes and implementation of construction best practices that incorporate earthen mounds could result in residential homes that are more livable, which translates into less ownership turnover and a better retention of property values over time. In addition, the state government could spend less funding on structural noise walls, which would increasingly save money over time (construction, right-of-way, and maintenance). These benefits could be realized by minimizing the detrimental effects of traffic noise on residences by constructing earthen mounds as part of residential development.

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# INTRODUCTION

## Problem Statement

The effect of traffic noise on property values has been researched in the past, and the results indicate that traffic noise does have a negative effect on residential property values. To assist in mitigating this negative effect, U.S. states sponsor noise barrier construction programs. Two forms of noise mitigation are typically constructed to address this issue – (1) structural walls in the forms of concrete, metal or fiberglass walls and (2) earthen mounds. Structural walls are costly to construct and maintain. Earthen mounds are less costly to construct and maintain but require more space. Therefore, the objective of this research project is to compare property values between residences near structural walls and earthen mounds in order to determine if the property values are higher for residences located behind earthen berms or behind structural noise barriers – or if there is no measurable difference.

## Literature Review

A literature review was completed to identify what research has been done that relates to this topic. This literature review provided insight on best practices and on areas of research that have not yet been researched. The literature listed below includes studies that have been completed with respect to vehicle traffic noise impacts and single-family residential property values.

**Swoboda et. al. (2015):** Hedonic literature found a correlation between real estate value and noise levels, but the research has been focused more on airport noise impacts (Swoboda et. al. 2015). Additionally, some studies have only used indirect methods of determining noise impacts on residential property (i.e. proximity to highway) (Swoboda et. al. 2015). One study completed by Cheng in 2008 estimated that housing prices dropped by 0.34 percent per traffic noise decibel increase (Swoboda et. al. 2015).

**Wilhelmsson, Mats (2000):** In a study completed in Stockholm, Sweden, the hedonic price method was used to determine the negative externalities of how traffic noise affects house values (Wilhelmsson 2000). Traffic noise impacts on properties can be significant, from a house value decrease of 0.6 percent per traffic noise decibel increase to a total property value decrease of 30 percent from the presence of traffic noise (Wilhelmsson 2000). Wilhelmsson determined that a single-family house valued at 970,000 SEK (Swedish currency, approximately equivalent to $120,000) could sell for 650,000 SEK (approximately $80,000) if located near a road with higher traffic noise (Wilhelmsson 2010).

**Blanco and Flindell (2011):** Blanco and Flindell studied traffic noise impacts on residential properties in London, Birmingham, and Sutton Coldfield, England. This study found that the Sutton Coldfield properties would see an increase in property value for each noise decibel increase while London would see a property value decrease for each noise decibel increase (Blanco and Flindell 2011). Blanco and Flindell hypothesized that this trend difference could be due to London being a dense urbanized area with easy access to amenities compared to the less dense and less urbanized Sutton Coldfield area, where properties may be cost more if they are closer to amenities even though they may be more impacted by noise (Blanco and Findell 2011). The Blanco and FIndell study identifies the limitation of not knowing the possible self-selection bias of home buyers in these areas (Blanco and Flindell 2011).

**Bateman et. al. (2001):** A study commissioned by the Scottish Executive Development Department looked at determining the best compensation assessment process in determining accurate property compensation values (Bateman et. al. 2001). The study looked at various non-market valuation methods, including opportunity costs, costs of alternatives, mitigation behavior, shadow project costs, government payments, dose-response method, contingent valuation method, contingent ranking and state preference methods, travel cost method, and hedonic pricing method. Bateman et. al. found that between all the methods studied, that the hedonic pricing method was the most appropriate.

**Review Summary**

The literature review has identified negative impacts to single-family homes property values in both the U.S. and in Europe. The common method of identifying noise effects on property values has been analyzed using the hedonic pricing method. The previous research has focused on the effect of different noise levels and locations on property values. Structural walls and earthen berms are the primary techniques used to mitigate traffic noise impacts; however, the literature review did not identify any studies that compared the effect on property values between structural walls and earthen berms.

# METHODOLOGY

## Process

This study used literature reviews, stakeholder meetings, data collection, and econometric analyses to determine the difference in single-family residential property values for residences behind earthen mounds versus behind structural walls. The literature review provided background information and guidance on model selection. The stakeholder meetings were used to gather input and opinions on the model, variables, study area location, conclusions and next steps. Data was collected on residences in similar locations near both types of noise barriers. The statistical model results were analyzed and evaluated, and a final report and presentation were prepared and presented to the client, stakeholders, communities, and a conference.

**Step 1: Project Initiation:** Upon commencement of the project, a kickoff meeting was held to discuss the details of the project, goals, and timeline. Also, potential members for the stakeholder committee were identified and contacted.

**Step 2: Stakeholder Meetings (3 meetings):** Three stakeholder meetings took place during the project. The stakeholders included real estate agents, residential developers, and city and state governmental staff. The first meeting was held at the beginning of the project to introduce the project concepts and goals; discuss property value determination methods, data sources, and important variables; and solicit the stakeholders' opinions on the perception of properties near noise barriers. The second meeting was held when the modeling analysis and results are evaluated to provide an opportunity for the stakeholders to give their opinions on the results. The third meeting (with the Ohio Department of Commerce) included a presentation on the final report and results and a discussion of next steps.

**Step 3: Literature Review & Case Studies:** A literature review of existing research was performed to determine the results of previous studies. The articles were documented in detail and methodology and results summarized. The results were used to guide the process and model selection for this study.

**Step 4: Data Collection:** Residences in similar locations near both types of noise barriers were identified. Property values and additional variable information (building size, lot size, etc.) were collected and organized.

**Step 5: Econometrics Analysis:** A hedonic pricing model was selected to be created for this research project. Many variables effect home prices, so a statistical model was built using Microsoft Excel/Regressit to account for the major influences, in order to determine the specific effects from traffic noise. The property value was set as the dependent variable, followed by a stepwise regression technique which identified which variables were not significant. The results were evaluated and conclusions were formed that described the results.

**Step 6: Reporting & Presentations:** A report was developed for this project, and it included documentation on the data collection efforts, stakeholder meetings, methodology, model construction, model results and evaluation, recommendations, and next steps. At the end of the project, there were also several opportunities for presentations. First, a presentation of the final report was given to the Ohio Department of Commerce and to the stakeholder committee (already mentioned in Step 2). Next, presentations to/meetings with municipalities were also conducted in communities interested in the project and its results. Finally, a conference abstract was prepared and submitted to the Transportation Research Board's ADC40 Noise &

Vibration Committee for presentation of the results at the Summer 2017 Conference in Minneapolis, Minnesota. Additional conferences outside of the August 2017 project completion will also be considered, such as city planning conferences and the Ohio Transportation Engineering Conference (OTEC) in Columbus, Ohio. The report, paper, and community presentation can be posted on the Ohio Department of Commerce's website for easy access by interested parties.

## Variable Selection

The variables that were selected and downloaded for each parcel can be organized into four groups listed below. The units of measure for these variables are included in parentheses. **Appendix B** contains the details on the data sources.

**Dependent Variables**

- Building Value + Land Value = Total Value ($)

**Physical Variables**

- Lot Size (Acres)
- Building Size (Sq Ft)
- Total Rooms, Bedrooms (#s)
- Half Baths/2 + Full Baths = Total Baths (#)
- Building Stories (#)
- Basement, Garage (Presence/Absence = 1/0)
- Current Year (2016) - Year Built = Age of Home (Years)

**Location Variables**

- School District (Rating)
- Neighborhood Median Income, Percent Vacant, Unemployment Rate, Percent Minority ($, %)

**Environmental Variables**

- Structural Wall (Presence/Absence = 1/0)
- Earthen Berm (Presence/Absence = 1/0)

These variables were selected, with input from the stakeholder group, as those variables that should have the most impact on property values.

## Model Selection

A discussion with the stakeholder group and a literature review initially provided four main methods on how property values are determined, including: Sales Comparison Approach, Cost Comparison Approach, Income Capitalization Approach, and Hedonic Pricing Method Approach. Below is a discussion of these four methods and the rationale behind which one was selected for use in this project.

**Income Capitalization Approach:** this approach considers at a property's capacity to generate future benefits and converts these benefits into a present value (Appraisal of Real Estate 14th edition). This method is often used for single-family housing rental properties. During the first Stakeholder Meeting, it was determined that this approach should not be selected for this study

since this study is not looking considering rental properties, and it is also not trying to determine the future benefit potential of properties.

**Cost Comparison Approach:** this approach bases property values on the comparison of constructing a new or different property (ARE 14th edition). In the first Stakeholder Meeting, it was also discussed that this approach would require the use of a national cost service, which would apply a national modifier based on the location and time. The stakeholder group's opinion was that the cost of using this cost service was not worth the benefits that could be provided to this study. Plus, there are other approaches to consider. Therefore, this approach was not selected for this study.

**Sales Comparison Approach:** this approach bases property value determination on comparing values of similar properties that have sold recently (ARE 14th editions). In the first Stakeholder Meeting, this approach was identified as the preferred method of property valuation used by real estate professionals, and some members of the stakeholder group frequently use this method. It would allow for the comparison of similar properties with different noise mitigation techniques (walls vs. berms). However, due to the number of properties being analyzed as part of this study, some would not have similar matches of properties that were recently sold, and the literature review results showed a greater preference for the Hedonic Pricing Method over the Sales Comparison Approach.

**Hedonic Pricing Method Approach:** this approach uses regression analysis to estimate the market good characteristics that increase and/or decrease the property values. The dependent variable, property value, is determined by census, sales comparison data, or county auditor information and is held constant to determine if there is relationship between the selected variables and the property value. This method does include most aspects of the Sale Comparison Method Approach except that there is not a specific time element being considered. If time of sale is considered, the number of eligible similar properties would be considerably smaller, especially since there are not many earthen berms in Ohio (and therefore not many properties behind earthen berms for analysis and comparison).

As a result, the Hedonic Pricing Method Approach was chosen for this project. This method was selected over the other methods because:

1. This method has the ability to apply a price change for having or not having a selected characteristic.
2. A regression analysis can determine the importance that each variable has on property values.
3. This method has been used previously to measure noise impacts on property values in other research projects.

# STAKEHOLDER MEETINGS

This study used input from stakeholders throughout the research process. The stakeholders included noise professionals, right-of-way appraisal professionals, developers, city planners, transportation planners, and other interested parties. The stakeholder list and stakeholder meeting materials are included in **Appendix C**.

**Stakeholder Meeting 1:** The first stakeholder meeting took place on October 21, 2016. The goal of this meeting was to introduce the project to stakeholders, identify best data sources, discuss best appraisal methods and important variable, and discuss initial study sites. In addition to the meeting, the meeting notes where sent to all stakeholders via email for comment. This meeting narrowed the study areas to those that had a structural wall and earthen berm within the same school district. Additionally, it was recommended that each site also look at residential properties with no noise mitigation to serve as a control site. The Stakeholder Meeting 1 agenda, meeting notes, and sign-in sheets are included in **Appendix C**.

**Stakeholder Meeting 2:** The second stakeholder meeting took place on June 8, 2017. The goal of this meeting was to review the study area sites, variables, and statistical model preliminary results. In addition, further refinements and additions to the study were discussed. The meeting began with a presentation, containing a review of the problem statement, progress update, literature review results, study areas, selected variables and preliminary analysis results. At the end of the presentation, the next steps in the project were discussed, including writing the report, presenting at the TRB Noise & Vibration Committee conference, and final presentations and meetings to the Ohio Department of Commerce and stakeholders. The Stakeholder Meeting 1 agenda, meeting notes, and presentation are included in **Appendix C**.

**Stakeholder Meeting 3:** The third stakeholder meeting was combined with the meeting with the Ohio Department of Commerce to present the final results of this project. The meeting was held on September 6, 2017. The presentation from this meeting is included in **Appendix D**.

**Additional Meetings:** Individual meetings were held with representatives from the City of New Albany (August 18, 2017), City of Columbus (August 22, 2017), City of Grove City (August 29, 2017), and Mid-Ohio Regional Planning Commission (August 30, 2017), to discuss the results of the study and possible real-world applications. Their input was incorporated into the Conclusions Chapter. Notes from the meetings are included in **Appendix C**.

# STUDY AREA

All structural walls and earthen berms in the Ohio and identified by the Ohio Department of Transportation were evaluated as potential locations for this research study. During the first stakeholder meeting, it was established that school districts were the greatest determination of property values; therefore, school district boundaries were also reviewed. Structural walls and earthen berms that are in the same school district were identified. In addition, "control" sites were selected where available in each study area, which included single-family housing units adjacent to the major highway in the study area without noise mitigation.

In total, six study areas were identified in Ohio that included both noise mitigation techniques within the same school district (see Exhibit 1: Study Area Locations). Each of the study areas includes parcels within 1,000 feet from the edge of pavement of the adjacent highway. This distance was adjusted slightly to follow parcel boundaries. Other sites were not selected due to several reasons, including: (1) the lack of benefitted single-family housing units, (2) the noise barrier was not located on major highway, and (3) both types of noise mitigation (walls and berm) were not located within the small school district.

**Study Area 1: City of Canton, South of Canton, along I-77 (see Exhibit 2)**
This study area includes four neighborhoods, and it has a structural wall and an earthen berm adjacent to each other along I-77. One additional structural wall area was included as it was considered ideal due to the housing placement and no obstructions near I-77. The control site is located on US-62, but is within the same school district as the other three areas.

**Study Area 2: Delaware County, north of Columbus, along I-71 (see Exhibit 3)**
This study area includes four neighborhoods along I-71, just southeast of Alum Creek State Park. This site has two noise structural wall areas, both of which are near the earthen berm site. This study area lacks a control site because a similar un-mitigated neighborhood was not available.

**Study Area 3: City of Grove City, south of Columbus, along I-71 (see Exhibit 4)**
This study area includes three neighborhoods: an earthen berm area, structural wall area, and a control area. A new noise wall is currently being constructed over the existing earthen berm site at a the control site, but they have not yet been completed, so therefore property values in the Auditor's database should not have yet been affected.

**Study Area 4: City of Hilliard, west of Columbus, along I-70 (see Exhibit 5)**
This study area includes three neighborhoods: an earthen berm area, structural wall area, and a control area. A new noise wall is currently being constructed over the existing earthen berm site at a the control site, but they have not yet been completed, so therefore property values in the Auditor's database should not have yet been affected.

**Study Area 5: Montgomery County, southeast of Dayton, along I-675 (see Exhibit 6)**
This study area has two neighborhoods: an earthen berm area and a structural wall area. A new noise wall is currently being constructed over the existing earthen berm site at a the control site, but they have not yet been completed, so therefore property values in the Auditor's database should not have yet been affected. A structural wall is on the opposite side of the interstate from the earthen berm and was not included in this study area due to the lack of single-family homes. The structural wall area is west of the study area but still within the same school district;

therefore, it was included within the study area. This study area lacks a control site because a similar un-mitigated neighborhood was not available.

**Study Area 6: City of Cincinnati, northeast of Cincinnati, along I-71 (see Exhibit 7)**
This site has two areas: an earthen berm area, and a structural wall area. The site map shows overlap between the earthen Berm and Structural Wall. Reviewing the terrain and visibility from the Interstate, it was concluded that the overlap portion is a structural wall while the earthen berm is less effective due to height. There is no control sites located in this site due to no clusters of single-family homes near the interstate that is also within the same school districts.

# RESULTS

The model data was analyzed in four different ways – (1) hedonic pricing method of the full data set, (2) a simple linear two-variable analysis of the full data set, (3) hedonic pricing method for each of the six individual study areas, and (4) a simple linear two-variable analysis for each of the six individual study areas. Performing multiple analyses of the data allowed for a comparison of the variation of the results. The results of the first two analyses are described below under "Combined Results" and the second two analyses are described under "Results by Study Area." **Appendix A** contains the full data set and the model results. (Additionally, it should be noted that the hedonic pricing models crashed with the demographic variables, so they were excluded from the final model runs and analyses.)

## Hypotheses

Two hypotheses were derived from the Problem Statement and tested in the analyses.

- Hypothesis 1: Property values should be higher for noise-mitigated residences than non-mitigated residences.
  - Rationale: Due to the benefit of reducing noise levels.
- Hypothesis 2: Property values should be slightly higher for residences behind earthen mounds than for residences behind structural walls.
  - Rationale: Due to the higher aesthetic value of the natural landscaped elements of earthen berms over structural walls.

## Combined Results

These following three analyses were performed on the full parcel data set.

1. **Hedonic Pricing Method - All Variables**
   Using the hedonic pricing method for the full data set and all variables showed that neither hypothesis was true.

**Figure 1: Model Results – Hedonic Pricing Method, All Variables + Full Data Set**

**Model:** Model 1 *June 7, 2017 4:20 PM regressit Model 1*

**Dependent Variable:** Total_Value

**Regression Statistics: Model 1 for Total_Value (12 variables, n=1228)**

| R-Squared | Adj.R-Sqr. | Std.Err.Reg. | Std. Dev. | # Cases | # Missing | t(2.50%,1215) | Conf. level |
|---|---|---|---|---|---|---|---|
| 0.795 | 0.793 | 56,985 | 125,100 | 1228 | 3 | 1.962 | 95.0% |

**Coefficient Estimates: Model 1 for Total_Value (12 variables, n=1228)**

| Variable | Coefficient | Std.Err. | t-Stat. | P-value | Lower95% | Upper95% | Std. Dev. | Std. Coeff. |
|---|---|---|---|---|---|---|---|---|
| Constant | -440,400 | 33,049 | -13.326 | 0.000 | -505,239 | -375,560 | | |
| Age_of_Home | -776.197 | 91.491 | -8.484 | 0.000 | -955.694 | -596.700 | 40.161 | -0.249 |
| Basement | 62,315 | 4,626 | 13.471 | 0.000 | 53,239 | 71,390 | 0.415 | 0.207 |
| Constructed_Noise_wall | -3,745 | 5,533 | -0.677 | 0.499 | -14,599 | 7,110 | 0.498 | -0.015 |
| Garage | 12,278 | 6,891 | 1.782 | 0.075 | -1,242 | 25,798 | 0.410 | 0.040 |
| Home_SF | 60.686 | 3.898 | 15.569 | 0.000 | 53.039 | 68.333 | 688.275 | 0.334 |
| House_Stories | 9,464 | 4,233 | 2.236 | 0.026 | 1,158 | 17,770 | 0.480 | 0.036 |
| Lot_Size_Acres | 8,854 | 3,856 | 2.296 | 0.022 | 1,289 | 16,419 | 0.462 | 0.033 |
| Noise_Berm | -5,258 | 6,033 | -0.872 | 0.384 | -17,094 | 6,578 | 0.494 | -0.021 |
| School_District_Rating | 4,970 | 329.454 | 15.086 | 0.000 | 4,324 | 5,617 | 10.102 | 0.401 |
| Total_Baths | 10,198 | 3,727 | 2.736 | 0.006 | 2,885 | 17,511 | 0.748 | 0.061 |
| Total_Bedrooms | -7,627 | 3,258 | -2.341 | 0.019 | -14,019 | -1,236 | 0.794 | -0.048 |
| Total_Rooms | -4,140 | 2,247 | -1.843 | 0.066 | -8,548 | 267.768 | 1.320 | -0.044 |

Hypothesis 1 was false because both types of noise mitigation (wall and berm) had negative coefficients, which indicated that their presence lowered property values. Hypothesis 2 was false because the negative coefficient for structural walls was smaller than for earthen berms, which indicated the property values were higher at walls than at berms.

As a result, the model, variables, and data were reconsidered for possible reasons on why these conditions occurred. In general, it was determined that the selected control, wall and berm neighborhood sites were not ideal comparisons. Appropriate neighborhood sites were limited in availability (based on there being a control, wall and berm in the same school district along the same highway). So it was possible that the neighborhood sample size was too small. In addition, related to the small sample size, the model results indicated that the most significant variables (P-value) were age, size, and school district rating, but they also had the largest standard deviations. Lastly, it was possible that more, less, and/or different variables would have different and more appropriate results.

**2. Hedonic Pricing Method – Minimum (3) Variables**

The first version of the hedonic pricing method with the full data set disproved both hypotheses, but several reasons were identified that could have caused that result. The sample size could not be increased, so a change in variables was tested. Of the most significant variables – age, size, and school district rating, it was decided that size, i.e. the building's square footage, was the most useful variable in determining property values. So the hedonic pricing model was re-analyzed for only the square footage variable, plus the noise wall and berm variables. As shown in the figure below, this minimized version of the model showed that both hypotheses were true.

**Figure 2: Model Results – Hedonic Pricing Method, 3 Variables + Full Data Set**

**Model:** Model 2 *June 7, 2017 4:21 PM regressit Model 2*

**Dependent Variable:** Total_Value

**Regression Statistics: Model 2 for Total_Value (3 variables, n=1231)**

| R-Squared | Adj.R-Sqr. | Std.Err.Reg. | Std. Dev. | # Cases | # Missing | t(2.50%,1227) | Conf. level |
|---|---|---|---|---|---|---|---|
| 0.511 | 0.509 | 87,531 | 124,961 | 1231 | 0 | 1.962 | 95.0% |

**Coefficient Estimates: Model 2 for Total_Value (3 variables, n=1231)**

| Variable | Coefficient | Std.Err. | t-Stat. | P-value | Lower95% | Upper95% | Std. Dev. | Std. Coeff. |
|---|---|---|---|---|---|---|---|---|
| Constant | -102,206 | 9,163 | -11.154 | 0.000 | -120,182 | -84,229 | | |
| Constructed_Noise_wall | 6,955 | 8,362 | 0.832 | 0.406 | -9,450 | 23,361 | 0.498 | 0.028 |
| Home_SF | 127.556 | 3.802 | 33.548 | 0.000 | 120.096 | 135.015 | 687.890 | 0.702 |
| Noise_Berm | 35,493 | 8,262 | 4.296 | 0.000 | 19,283 | 51,702 | 0.494 | 0.140 |

The resultant equation to determine property values is:

$$PV = 6{,}955 * V_w + 35{,}493 * V_b + 127.556 * V_{SF} - 102{,}206$$

Where:

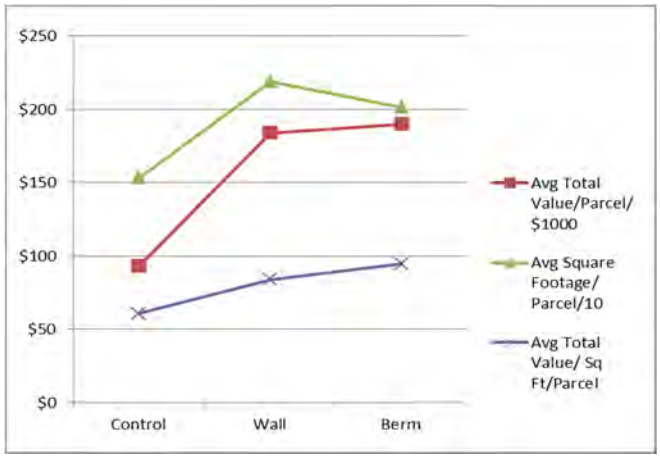
- PV is property value, V is a variable
- $V_w$ = 0 or 1 (absence or presence of a structural wall)
- $V_b$ = 0 or 1 (absence or presence of a berm)
- $V_{SF}$ = square footage of the building

The below table shows the average results of the equation calculations for the control, wall, and berms sites.

Table 1: Hedonic Model (3 Variables) Results Table

| | Control | Wall | Berm |
|---|---|---|---|
| Total Parcels | 153 | 562 | 516 |
| Avg Total Value/ Parcel | $93,071 | $183,647 | $189,859 |
| Avg Sq Foot/ Parcel | 1,531 | 2,186 | 2,011 |
| Avg Total Value/ Sq Ft | $60.79 | $83.99 | $94.39 |

Figure 3: Hedonic Model Results Graph



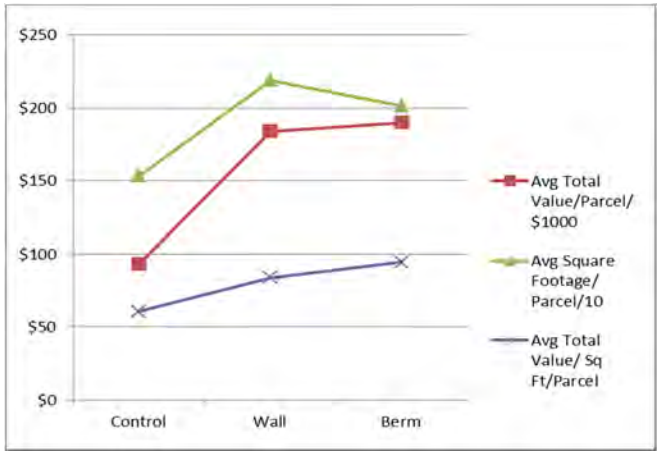

**3. Simple Analysis – Minimum Variables**

The Project Team decided to re-analyze the full data set using a simplified method (averages) in order to compare and contrast the results from the hedonic pricing method (minimal variables). This analysis directly compared the average total values per square foot between the three neighborhood types – control, wall, and berm. This analysis showed that both hypotheses were true, thus matching the results from the **Hedonic Pricing Method – Minimum Variables** analysis above. The below table and figure show the specific results and trends, which are the same as in #2 analysis above.

Table 2: Simple Analysis Results Table

| | Control | Wall | Berm |
|---|---|---|---|
| Total Parcels | 153 | 562 | 516 |
| Avg Total Value/ Parcel | $93,071 | $183,647 | $189,859 |
| Avg Sq Foot/ Parcel | 1,531 | 2,186 | 2,011 |
| Avg Total Value/ Sq Ft | $60.79 | $83.99 | $94.39 |

Figure 4: Simple Analysis Results Graph



## Results by Study Area

Two of the analyses from the Combined Results section (1-Hedonic Pricing Method - All Variables and 3-Simple Analysis) were performed for each study area in order to identify any specific patterns or trends on a smaller scale than the full data set.

### Study Area 1 – Canton/I-77

1. **Hedonic Pricing Method - All Variables**

   Using the hedonic pricing method for the study area data set and all variables showed that one hypothesis was true and the other was partially true.

**Figure 5: Model Results – Hedonic Pricing Method, All Variables + Study Area 1 Parcels**

**Model:** Model 1 *June 6, 2017 4:26 PM regressit Kim Model 1*

**Dependent Variable:** Total_Value

**Regression Statistics: Model 1 for Total_Value (11 variables, n=336)**

| R-Squared | Adj.R-Sqr. | Std.Err.Reg. | Std. Dev. | # Cases | # Missing | t(2.50%,324) | Conf. level |
|---|---|---|---|---|---|---|---|
| 0.637 | 0.624 | 8,394 | 13,693 | 336 | 0 | 1.967 | 95.0% |

**Coefficient Estimates: Model 1 for Total_Value (11 variables, n=336)**

| Variable | Coefficient | Std.Err. | t-Stat. | P-value | Lower95% | Upper95% | Std. Dev. | Std. Coeff. |
|---|---|---|---|---|---|---|---|---|
| Constant | 6,592 | 8,201 | 0.804 | 0.422 | -9,543 | 22,727 | | |
| Age_of_Home | -136.004 | 34.467 | -3.946 | 0.000 | -203.811 | -68.198 | 16.419 | -0.163 |
| Basement | 3,413 | 3,896 | 0.876 | 0.382 | -4,251 | 11,077 | 0.170 | 0.042 |
| Constructed_Noise_wall | -2,915 | 1,170 | -2.491 | 0.013 | -5,217 | -612.735 | 0.500 | -0.106 |
| Garage | 2,967 | 1,259 | 2.356 | 0.019 | 489.804 | 5,445 | 0.413 | 0.089 |
| Home_SF | 18.099 | 1.005 | 18.006 | 0.000 | 16.121 | 20.076 | 599.074 | 0.792 |
| House_Stories | -3,261 | 2,030 | -1.606 | 0.109 | -7,256 | 732.947 | 0.299 | -0.071 |
| Lot_Size_Acres | 1,336 | 6,837 | 0.195 | 0.845 | -12,114 | 14,786 | 0.076 | 0.007 |
| Noise_Berm | 2,447 | 1,415 | 1.730 | 0.085 | -335.888 | 5,230 | 0.409 | 0.073 |
| Total_Bath | -8,462 | 2,394 | -3.535 | 0.000 | -13,172 | -3,753 | 0.605 | -0.374 |
| Total_Bedrooms | -7,443 | 2,017 | -3.691 | 0.000 | -11,410 | -3,475 | 0.940 | -0.511 |
| Total_Rooms | 5,367 | 1,994 | 2.691 | 0.007 | 1,443 | 9,290 | 1.341 | 0.526 |

Hypothesis 1 was partially true because the earthen berm variable had a positive coefficient, which indicated that their presence increased property values; however, the structural wall variable had a negative coefficient, which indicated that their presence lowered property values. Hypothesis 2 was true because the positive coefficient for earthen berms was greater than the negative coefficient for structural walls.

As a result, the model, variables, and data were reconsidered for possible reasons on why one of the hypotheses was only partially true. In general, it was determined that the selected control and berm neighborhood sites were ideal comparisons, but the structural wall site was not an ideal comparison. One possible reason was that the residences in the structural wall neighborhood all had a much higher square footage than the control and earthen berms sites.

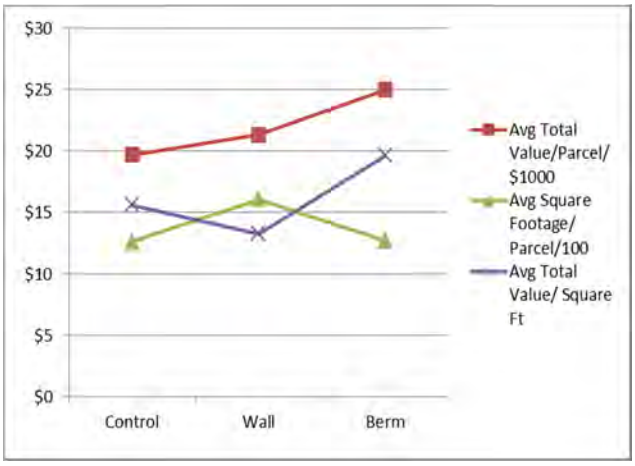
2. **Simple Analysis – Minimum Variables**

   The study area data set was then re-analyzed using a simplified method (averages) in order to compare and contrast the results from the hedonic pricing method (multiple regression). This analysis directly compared the average total values per square foot between the three neighborhood types – control, wall, and berm. This analysis showed the same results as from the hedonic pricing method analysis. The below table and figure show the specific results and trends. The large square footage difference is clearly demonstrated in the table.

Table 3: Simple Analysis Results Table

| | Control | Wall | Berm |
|---|---|---|---|
| Total Parcels | 88 | 177 | 71 |
| Avg Total Value/ Parcel | $19,678 | $21,323 | $25,001 |
| Avg Square Footage/ Parcel | 1,260 | 1,607 | 1,274 |
| Avg Total Value/ Sq Ft | $15.61 | $13.27 | $19.63 |

Figure 6: Simple Analysis Results Graph




## Study Area 2 – Orange Township/I-71

### 1. Hedonic Pricing Method - All Variables

Using the hedonic pricing method for the study area data set and all variables showed that one hypothesis was untested and the other was true.

**Figure 7: Model Results – Hedonic Pricing Method, All Variables + Study Area 2 Parcels**

**Model:** Model 1 *June 7, 2017 9:10 AM regressit Kim Model 1*

**Dependent Variable:** Total_Value

**Regression Statistics: Model 1 for Total_Value (9 variables, n=248)**

| R-Squared | Adj.R-Sqr. | Std.Err.Reg. | Std. Dev. | # Cases | # Missing | t(2.50%,238) | Conf. level |
|---|---|---|---|---|---|---|---|
| 0.636 | 0.622 | 61,395 | 99,857 | 248 | 0 | 1.970 | 95.0% |

**Coefficient Estimates: Model 1 for Total_Value (9 variables, n=248)**

| Variable | Coefficient | Std.Err. | t-Stat. | P-value | Lower95% | Upper95% | Std. Dev. | Std. Coeff. |
|---|---|---|---|---|---|---|---|---|
| Constant | 79,444 | 55,309 | 1.436 | 0.152 | -29,514 | 188,402 | | |
| Age_of_Home | 8,905 | 606.240 | 14.690 | 0.000 | 7,711 | 10,100 | 9.385 | 0.837 |
| Basement | -135,653 | 42,126 | -3.220 | 0.001 | -218,641 | -52,665 | 0.110 | -0.149 |
| Home_SF | 58.324 | 10.966 | 5.318 | 0.000 | 36.720 | 79.927 | 598.327 | 0.349 |
| House_Stories | -67,360 | 13,406 | -5.024 | 0.000 | -93,770 | -40,949 | 0.497 | -0.336 |
| Lot_Size_Acres | -14,150 | 5,134 | -2.756 | 0.006 | -24,263 | -4,037 | 0.790 | -0.112 |
| Noise_Berm | 86,619 | 12,319 | 7.031 | 0.000 | 62,350 | 110,887 | 0.500 | 0.434 |
| Total_Baths | 51,263 | 8,152 | 6.288 | 0.000 | 35,203 | 67,323 | 0.628 | 0.322 |
| Total_Bedrooms | 6,639 | 7,694 | 0.863 | 0.389 | -8,518 | 21,797 | 0.840 | 0.056 |
| Total_Rooms | 4,074 | 5,445 | 0.748 | 0.455 | -6,653 | 14,800 | 1.470 | 0.060 |

Hypothesis 1 was untested because a control neighborhood was not available within the study area on the same roadway. The second hypothesis was true because the earthen berm variable had a positive coefficient, which indicated that their presence had a stronger positive effect on property values than did the structural wall site. These results indicate that the berm and wall neighborhoods were an ideal comparison for noise mitigation.

### 2. Simple Analysis – Minimum Variables

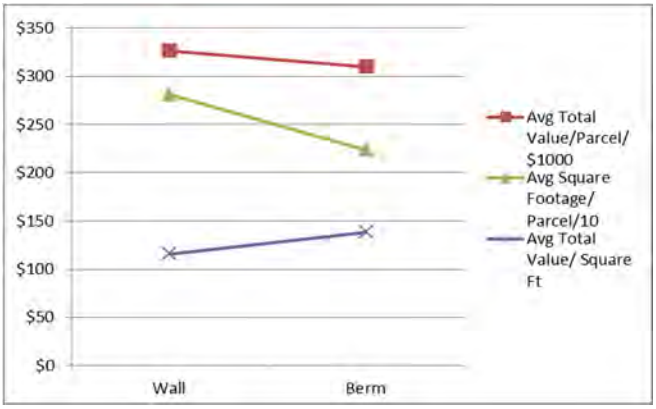
The study area data set was then re-analyzed using a simplified method (averages) in order to compare and contrast the results from the hedonic pricing method (multiple

regression). This analysis directly compared the average total values per square foot between the two neighborhood types –wall and berm. This analysis showed the same results as from the hedonic pricing method analysis. The below table and figure show the specific results and trends.

Table 4: Simple Analysis Results Table

| | Control | Wall | Berm |
|---|---|---|---|
| Total Parcels | N/A | 131 | 117 |
| Avg Total Value/ Parcel | N/A | $326,740 | $310,080 |
| Avg Sq Foot/ Parcel | N/A | 2,811 | 2,235 |
| Avg Total Value/ Sq Ft | N/A | $116.23 | $138.75 |

Figure 8: Simple Analysis Results Graph




## Study Area 3 – Grove City/I-71

### 1. Hedonic Pricing Method - All Variables

Using the hedonic pricing method for the study area data set and all variables showed that neither hypothesis was true.

**Figure 9: Model Results – Hedonic Pricing Method, All Variables + Study Area 3 Parcels**

**Model:** Model 1 *June 6, 2017 4:20 PM regressit Kim Model 1*

**Dependent Variable:** Total_Value

**Regression Statistics: Model 1 for Total_Value (10 variables, n=240)**

| R-Squared | Adj.R-Sqr. | Std.Err.Reg. | Std. Dev. | # Cases | # Missing | t(2.50%,229) | Conf. level |
|---|---|---|---|---|---|---|---|
| 0.848 | 0.842 | 17,308 | 43,481 | 240 | 0 | 1.970 | 95.0% |

**Coefficient Estimates: Model 1 for Total_Value (10 variables, n=240)**

| Variable | Coefficient | Std.Err. | t-Stat. | P-value | Lower95% | Upper95% | Std. Dev. | Std. Coeff. |
|---|---|---|---|---|---|---|---|---|
| Constant | 173,108 | 19,348 | 8.947 | 0.000 | 134,985 | 211,231 | | |
| Age_of_Home | -2,681 | 275.655 | -9.724 | 0.000 | -3,224 | -2,137 | 13.219 | -0.815 |
| Basement | 42,170 | 5,209 | 8.096 | 0.000 | 31,907 | 52,434 | 0.494 | 0.479 |
| Constructed_Noise_wall | -41,469 | 8,204 | -5.055 | 0.000 | -57,635 | -25,304 | 0.493 | -0.470 |
| Home_SF | 49.580 | 4.091 | 12.120 | 0.000 | 41.520 | 57.640 | 399.998 | 0.456 |
| House_Stories | -17,503 | 4,082 | -4.288 | 0.000 | -25,546 | -9,460 | 0.465 | -0.187 |
| Lot_Size_Acres | 6,562 | 9,058 | 0.724 | 0.470 | -11,285 | 24,410 | 0.190 | 0.029 |
| Noise_Berm | -86,254 | 13,627 | -6.329 | 0.000 | -113,105 | -59,403 | 0.500 | -0.993 |
| Total_Baths | 10,476 | 4,003 | 2.617 | 0.009 | 2,590 | 18,363 | 0.331 | 0.080 |
| Total_Bedrooms | -2,017 | 3,181 | -0.634 | 0.527 | -8,284 | 4,250 | 0.495 | -0.023 |
| Total_Rooms | 847.487 | 1,403 | 0.604 | 0.546 | -1,917 | 3,612 | 1.112 | 0.022 |

Hypothesis 1 was false because both types of noise mitigation (wall and berm) had negative coefficients, which indicated that their presence lowered property values. Hypothesis 2 was false because the negative coefficient for structural walls was smaller than for earthen berms, which indicated the property values were higher at walls than at berms.

As a result, the model, variables, and data were reconsidered for possible reasons on why these conditions occurred. In general, it was determined that the selected control,

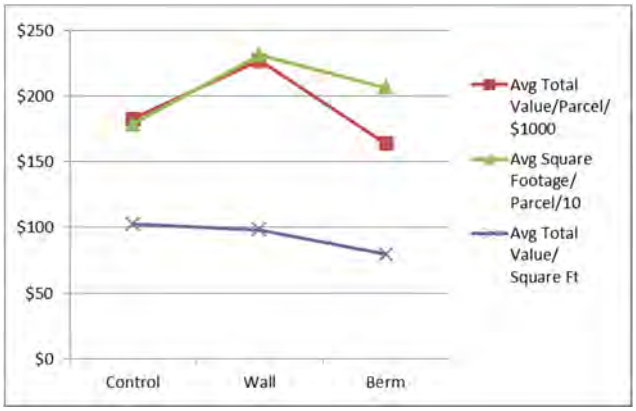
wall and berm neighborhood sites were not ideal comparisons. Specifically, when evaluating the neighborhoods more closely, the homes behind the structural wall were all much larger and more expensive that at the earthen berm sites. In addition, the three neighborhoods were all built in different decades with different densities, styles, etc.

2. **Simple Analysis – Minimum Variables**
   The study area data set was then re-analyzed using a simplified method (averages) in order to compare and contrast the results from the hedonic pricing method (multiple regression). This analysis directly compared the average total values per square foot between the two neighborhood types –wall and berm. This analysis showed the same results as from the hedonic pricing method analysis. The below table and figure show the specific results and trends.

Table 5: Simple Analysis Results Table

| | Control | Wall | Berm |
|---|---|---|---|
| Total Parcels | 28 | 98 | 114 |
| Avg Total Value/ Parcel | $182,636 | $227,089 | $163,728 |
| Avg Sq Foot/ Parcel | 1,785 | 2,315 | 2,063 |
| Avg Total Value/ Sq Ft | $102.33 | $98.09 | $79.36 |

Figure 10: Simple Analysis Results Graph




**Study Area 4 – Hilliard/I-70**

1. **Hedonic Pricing Method - All Variables**
   Using the hedonic pricing method for the study area data set and all variables showed that neither hypothesis was true.

**Figure 11: Model Results – Hedonic Pricing Method, All Variables + Study Area 4 Parcels**

**Model:** Model 1 *June 6, 2017 4:23 PM regressit Model 1*
**Dependent Variable:** Total_Value

**Regression Statistics: Model 1 for Total_Value (10 variables, n=163)**

| R-Squared | Adj.R-Sqr. | Std.Err.Reg. | Std. Dev. | # Cases | # Missing | t(2.50%,152) | Conf. level |
|---|---|---|---|---|---|---|---|
| 0.823 | 0.811 | 15,173 | 34,904 | 163 | 0 | 1.976 | 95.0% |

**Coefficient Estimates: Model 1 for Total_Value (10 variables, n=163)**

| Variable | Coefficient | Std.Err. | t-Stat. | P-value | Lower95% | Upper95% | Std. Dev. | Std. Coeff. |
|---|---|---|---|---|---|---|---|---|
| Constant | 130,675 | 13,914 | 9.392 | 0.000 | 103,186 | 158,164 | | |
| Age_of_Home | -897.157 | 175.249 | -5.119 | 0.000 | -1,243 | -550.919 | 18.886 | -0.485 |
| Basement | 9,414 | 6,997 | 1.345 | 0.181 | -4,410 | 23,238 | 0.448 | 0.121 |
| Constructed_Noise_wall | -13,316 | 3,565 | -3.735 | 0.000 | -20,360 | -6,272 | 0.501 | -0.191 |
| Home_SF | 41.667 | 3.702 | 11.257 | 0.000 | 34.354 | 48.980 | 467.143 | 0.558 |
| House_Stories | -9,699 | 3,421 | -2.835 | 0.005 | -16,457 | -2,940 | 0.469 | -0.130 |
| Lot_Size_Acres | 13,198 | 2,521 | 5.234 | 0.000 | 8,216 | 18,179 | 0.566 | 0.214 |
| Noise_Berm | -56,416 | 10,078 | -5.598 | 0.000 | -76,326 | -36,505 | 0.439 | -0.709 |
| Total_Baths | 3,882 | 3,485 | 1.114 | 0.267 | -3,004 | 10,767 | 0.431 | 0.048 |
| Total_Bedrooms | -4,655 | 2,975 | -1.564 | 0.120 | -10,533 | 1,224 | 0.648 | -0.086 |
| Total_Rooms | 3,284 | 2,164 | 1.517 | 0.131 | -991.993 | 7,560 | 1.028 | 0.097 |

Hypothesis 1 was false because both types of noise mitigation had negative coefficients, which indicated that their presence lowered property values. Hypothesis 2 was false because the negative coefficient for structural walls was smaller than for earthen berms, which indicated the property values were higher at walls than at berms.

As a result, the model, variables, and data were reconsidered for possible reasons on why these conditions occurred. In general, it was determined that the selected control, wall and berm neighborhood sites were not ideal comparisons. Specifically, the homes behind the structural wall were larger, more expensive, and with larger lots than the earthen berm sites, which could skew the results. In addition, the three sites were built in different decades with different densities, styles, etc. Lastly, the structural wall was of poor quality (wood) until it was just recently replaced with a new concrete wall.

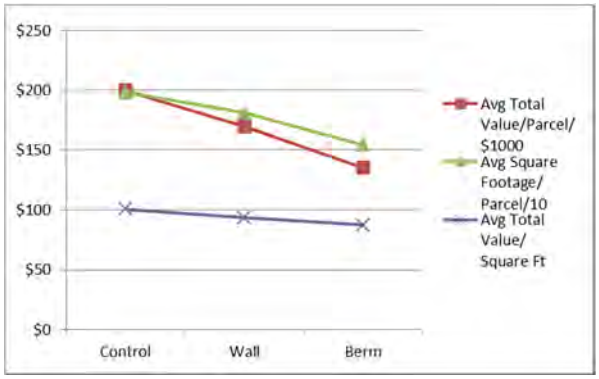
**3. Simple Analysis – Minimum Variables**

The study area data set was then re-analyzed using a simplified method (averages) in order to compare and contrast the results from the hedonic pricing method (multiple regression). This analysis directly compared the average total values per square foot between the two neighborhood types –wall and berm. This analysis showed the same results as from the hedonic pricing method analysis. The below table and figure show the specific results and trends.

Table 6: Simple Analysis Results Table

| | Control | Wall | Berm |
|---|---|---|---|
| Total Parcels | 37 | 84 | 42 |
| Avg Total Value/Parcel | $199,846 | $169,569 | $135,155 |
| Avg Square Footage/Parcel | 1,982 | 1,812 | 1,543 |
| Total Value/ Sq Ft/Parcel | $100.82 | $93.59 | $87.62 |

Figure 12: Simple Analysis Results Graph




## Study Area 5 – Centerville/I-675

**1. Hedonic Pricing Method - All Variables**

Using the hedonic pricing method for the study area data set and all variables showed that one hypothesis was untested and the other was true.

**Figure 13: Model Results – Hedonic Pricing Method, All Variables + Study Area 5 Parcels**

**Model:** Model 1 *June 7, 2017 9:35 AM regressit Kim Model 1*
**Dependent Variable:** Total_Value

**Regression Statistics: Model 1 for Total_Value (9 variables, n=180)**

| R-Squared | Adj.R-Sqr. | Std.Err.Reg. | Std. Dev. | # Cases | # Missing | t(2.50%,170) | Conf. level |
|---|---|---|---|---|---|---|---|
| 0.746 | 0.733 | 11,110 | 21,501 | 180 | 0 | 1.974 | 95.0% |

**Coefficient Estimates: Model 1 for Total_Value (9 variables, n=180)**

| Variable | Coefficient | Std.Err. | t-Stat. | P-value | Lower95% | Upper95% | Std. Dev. | Std. Coeff. |
|---|---|---|---|---|---|---|---|---|
| Constant | 84,147 | 9,913 | 8.489 | 0.000 | 64,579 | 103,716 | | |
| Age_of_Home | -1,216 | 177.714 | -6.842 | 0.000 | -1,567 | -865.197 | 5.638 | -0.319 |
| Basement | 11,155 | 2,197 | 5.078 | 0.000 | 6,818 | 15,492 | 0.485 | 0.251 |
| Home_SF | 38.738 | 3.199 | 12.110 | 0.000 | 32.423 | 45.053 | 343.447 | 0.619 |
| House_Stories | -2,301 | 2,408 | -0.955 | 0.341 | -7,055 | 2,454 | 0.437 | -0.047 |
| Lot_Size_Acres | 6,235 | 6,794 | 0.918 | 0.360 | -7,176 | 19,647 | 0.147 | 0.043 |
| Noise_Berm | 7,866 | 2,610 | 3.014 | 0.003 | 2,714 | 13,018 | 0.413 | 0.151 |
| Total_Baths | 18,446 | 2,549 | 7.235 | 0.000 | 13,413 | 23,478 | 0.412 | 0.354 |
| Total_Bedrooms | -135.903 | 1,973 | -0.069 | 0.945 | -4,031 | 3,759 | 0.564 | -0.004 |
| Total_Rooms | 555.397 | 1,060 | 0.524 | 0.601 | -1,538 | 2,648 | 1.074 | 0.028 |

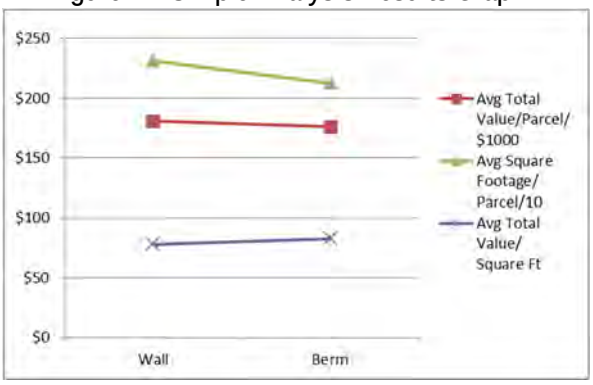
Hypothesis 1 was untested because a control neighborhood was not available within the study area on the same roadway. The second hypothesis was true because the earthen berm variable had a positive coefficient, which indicated that their presence had a stronger positive effect on property values than did the structural wall site. These results indicate that the berm and wall neighborhoods were an ideal comparison for noise mitigation.

2. **Simple Analysis – Minimum Variables**
   The study area data set was then re-analyzed using a simplified method (averages) in order to compare and contrast the results from the hedonic pricing method (multiple regression). This analysis directly compared the average total values per square foot between the two neighborhood types –wall and berm. This analysis showed the same results as from the hedonic pricing method analysis. The below table and figure show the specific results and trends.

Table 7: Simple Analysis Results Table

| | Control | Wall | Berm |
|---|---|---|---|
| Total Parcels | N/A | 39 | 141 |
| Avg Total Value/Parcel | N/A | $180,379 | $175,908 |
| Avg Sq Foot/Parcel | N/A | 2,312 | 2,122 |
| Avg Total Value/ Sq Ft | N/A | $78.03 | $82.90 |

Figure 14: Simple Analysis Results Graph




## Study Area 6 – Cincinnati/I-71

1. **Hedonic Pricing Method - All Variables**
   Using the hedonic pricing method for the study area data set and all variables showed that one hypothesis was untested and the other was true.

**Figure 15: Model Results – Hedonic Pricing Method, All Variables + Study Area 6 Parcels**

**Model:** Model 1 *RunTime: June 7, 2017 9:40 AM*
**Dependent Variable:** Total_Value

**Regression Statistics: Model 1 for Total_Value (9 variables, n=64)**

| R-Squared | Adj.R-Sqr. | Std.Err.Reg. | Std. Dev. | # Cases | # Missing | t(2.50%,54) | Conf. level |
|---|---|---|---|---|---|---|---|
| 0.654 | 0.597 | 46,051 | 72,504 | 64 | 0 | 2.005 | 95.0% |

**Coefficient Estimates: Model 1 for Total_Value (9 variables, n=64)**

| Variable | Coefficient | Std.Err. | t-Stat. | P-value | Lower95% | Upper95% | Std. Dev. | Std. Coeff. |
|---|---|---|---|---|---|---|---|---|
| Constant | 144,349 | 71,428 | 2.021 | 0.048 | 1,145 | 287,553 | | |
| Age_of_Home | 139.383 | 759.147 | 0.184 | 0.855 | -1,383 | 1,661 | 10.180 | 0.020 |
| Basement | -130,891 | 57,679 | -2.269 | 0.027 | -246,531 | -15,251 | 0.125 | -0.226 |
| Home_SF | 73.811 | 14.703 | 5.020 | 0.000 | 44.332 | 103.289 | 563.708 | 0.574 |
| House_Stories | -20,832 | 23,463 | -0.888 | 0.379 | -67,872 | 26,208 | 0.294 | -0.084 |
| Lot_Size_Acres | 36,600 | 14,887 | 2.459 | 0.017 | 6,754 | 66,446 | 0.447 | 0.226 |
| Noise_Berm | -83.631 | 14,263 | -0.006 | 0.995 | -28,679 | 28,511 | 0.504 | -0.001 |
| Total_Baths | 31,596 | 9,721 | 3.250 | 0.002 | 12,106 | 51,086 | 0.700 | 0.305 |
| Total_Bedrooms | -10,224 | 17,456 | -0.586 | 0.561 | -45,222 | 24,774 | 0.488 | -0.069 |
| Total_Rooms | 10,281 | 7,624 | 1.348 | 0.183 | -5,004 | 25,567 | 1.123 | 0.159 |

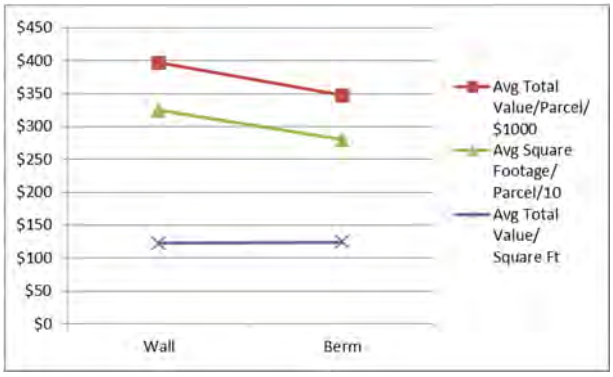
Hypothesis 1 was untested because a control neighborhood was not available within the study area on the same roadway. The second hypothesis was true because the earthen berm variable had a positive coefficient, which indicated that their presence had a stronger positive effect on property values than did the structural wall site. These results indicate that the berm and wall neighborhoods were an ideal comparison for noise mitigation.

2. **Simple Analysis – Minimum Variables**
   The study area data set was then re-analyzed using a simplified method (averages) in order to compare and contrast the results from the hedonic pricing method (multiple regression). This analysis directly compared the average total values per square foot between the two neighborhood types –wall and berm. This analysis showed the same results as from the hedonic pricing method analysis. The below table and figure show the specific results and trends.

Table 8: Simple Analysis Results Table

| | Control | Wall | Berm |
|---|---|---|---|
| Total Parcels | N/A | 33 | 31 |
| Avg Total Value/Parcel | N/A | $396,946 | $347,354 |
| Avg Sq Foot/Parcel | N/A | 3,241 | 2,800 |
| Avg Total Value/ Sq Ft | N/A | $122.46 | $124.03 |

Figure 16: Simple Analysis Results Graph




## Scenario Example

Below is an example of housing prices using the results of the simple analysis for the combined data set discussed above.

For a 2,000 square foot single-family house that is located along a highway, the average house cost comparison is as follows:

- $122,000 – no noise mitigation
- $168,000 – structural noise wall
- $189,000 – earthen berm

So the house behind an earthen berm is worth $67,000 more than the same-sized house with no mitigation and is worth $21,000 more than the same-sized house with a structural wall.

Another factor to consider is the initial cost of mitigation (construction plus right-of-way):

- $0 – no mitigation
- $250,000 – structural noise wall (10 feet high by 1,000 feet long)
- $50,000 – earthen berm (9 feet high by 1,000 feet long)

The cost of an earthen berm is less than the difference in the property value of one house behind an earthen mound vs. with no mitigation ($50,000 < $67,000).

# CONCLUSIONS

## Summary

This study was aimed at providing accurate information on the effects of noise mitigation options on property values to federal and state agencies and local municipalities. The two hypotheses that were studied included:

1. Property values should be higher for noise-mitigation residences than non-mitigated residents because of the benefit of reduced noise levels with noise mitigation.
2. Property values should be slightly higher for residences behind earthen mounds than for residences behind structural walls because of the higher aesthetic value of the natural landscaped elements of earthen berms over structural walls.

The results of the analysis varied. The hedonic method models indicated that both hypotheses could be true - or not, depending on which data set (study area) was being analyzed and how many variables were included in the analysis. The more variables that were included in the model and the more unique the neighborhood sites were from each other, the less significant noise mitigation became on effected property values and the more skewed from the hypotheses the noise mitigation effects became. However, when analyzing the full data set for a minimum number of variables (building square footage and mitigation type), both hypotheses were true.

Additional variables were identified, that were not included in the model, which could have significant influence on property values, including:

- Quality of housing construction (newer homes)
- Condition of housing (older homes)
- Density
- Distance from noise mitigation
- Proximity to urban areas/jobs/amenities
- Noise levels
- Utilities

The results of this study could influence priorities and policies at the state level to save money and increase noise mitigation effectiveness. In addition, communities could consider changes to their codes and regulations in order to help improve residents' quality of life and property values. Overall, changes to municipal codes and implementation of construction best practices that incorporate earthen mounds could result in residential homes that are more livable, which translates into less ownership turnover and a better retention of property values over time. In addition, the state government could spend less funding on structural noise walls, which would increasingly save money over time (construction, right-of-way, and maintenance). These benefits could be realized by minimizing the detrimental effects of traffic noise on residences by constructing earthen mounds as part of residential development.

## Next Steps

This study provided information and results that should serve as a good first step toward determining noise mitigation effects on property values and how federal, state, and local municipalities could incorporate that information into their programs and policies.

For research, additional studies could be performed that further refine the hedonic method models with different variables (see list above) and additional sites.

For implementation, additional collaboration between government officials will be needed. Some appropriate first steps include:

- State government (ODOT) could provide noise contour information on all highways in the state, for use by local municipalities.
- State government (ODOT) could also provide fact sheets on traffic noise fundamentals, noise mitigation, and earthen berm design for use by local municipalities.
- Local municipalities could develop quantitative noise ordinances from the noise contours and fact sheets, and enforce them via zoning codes and/or development regulations that either require or encourage/incentivize noise mitigation in the form of earthen berms.

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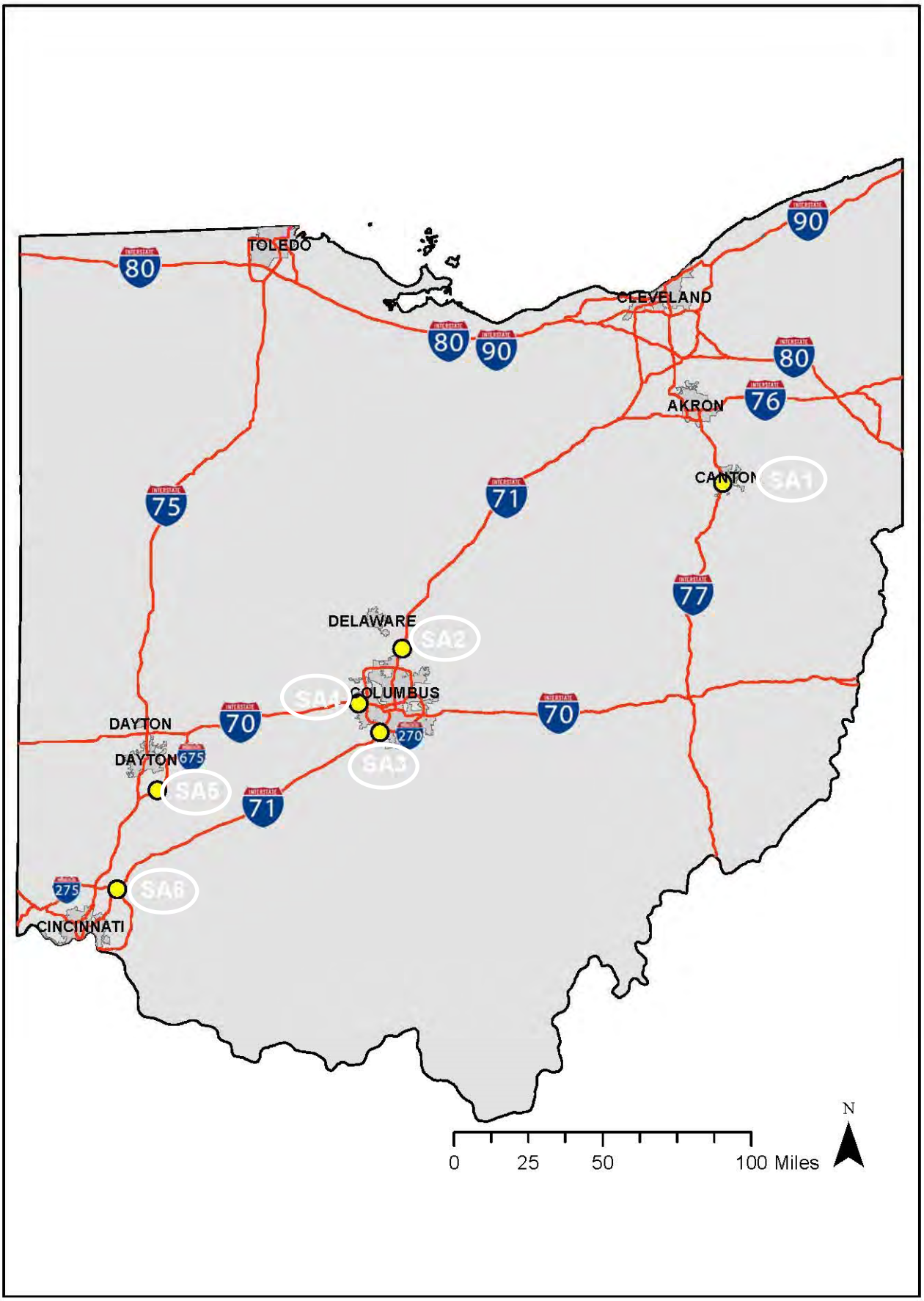
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# EXHIBITS

Exhibit 1: Study Area Locations
Exhibit 2: Study Area 1
Exhibit 3: Study Area 2
Exhibit 4: Study Area 3
Exhibit 5: Study Area 4
Exhibit 6: Study Area 5
Exhibit 7: Study Area 6

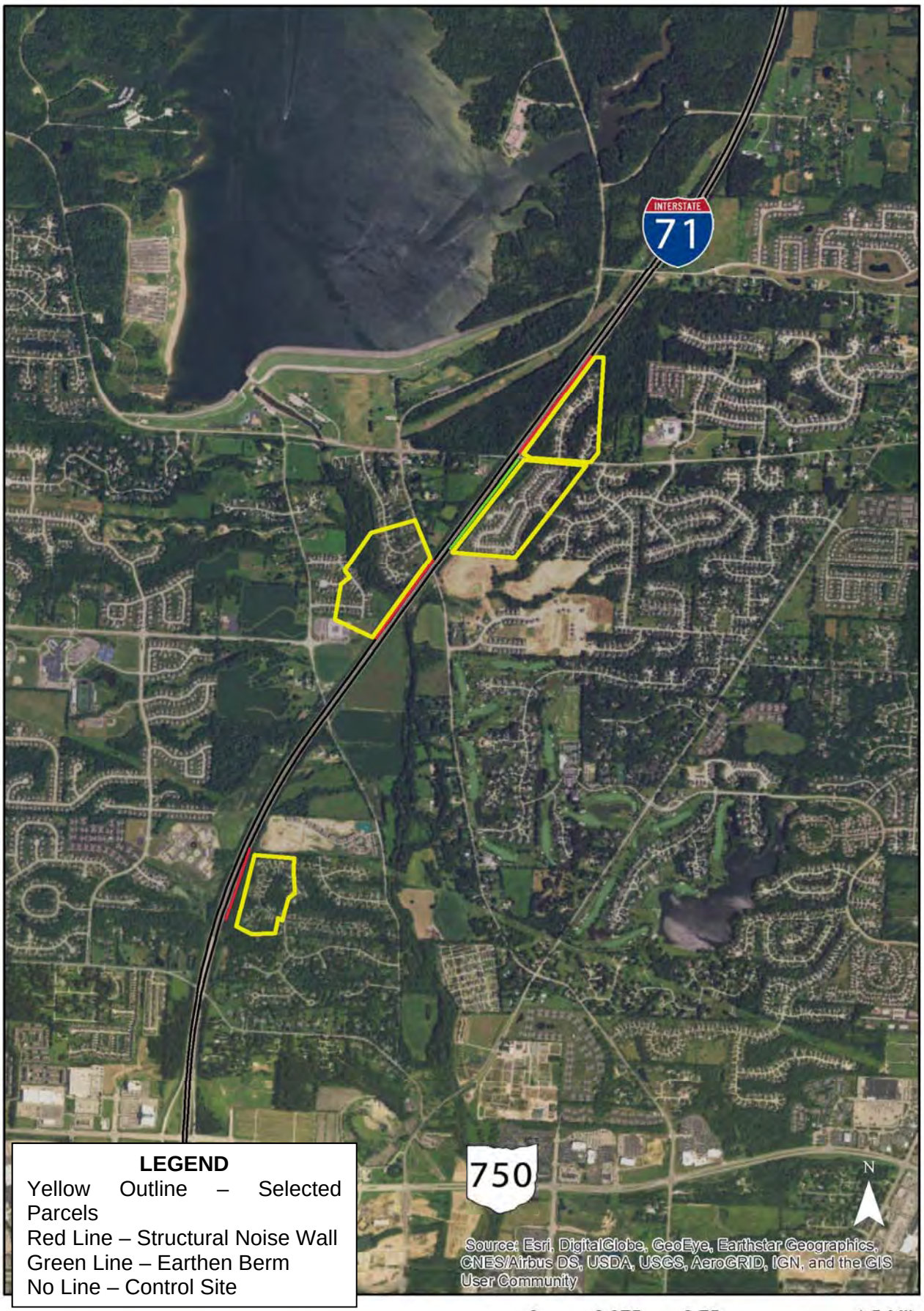
# EXHIBIT 1: STUDY AREA LOCATIONS



# EXHIBIT 2: STUDY AREA 1



# EXHIBIT 3: STUDY AREA 2



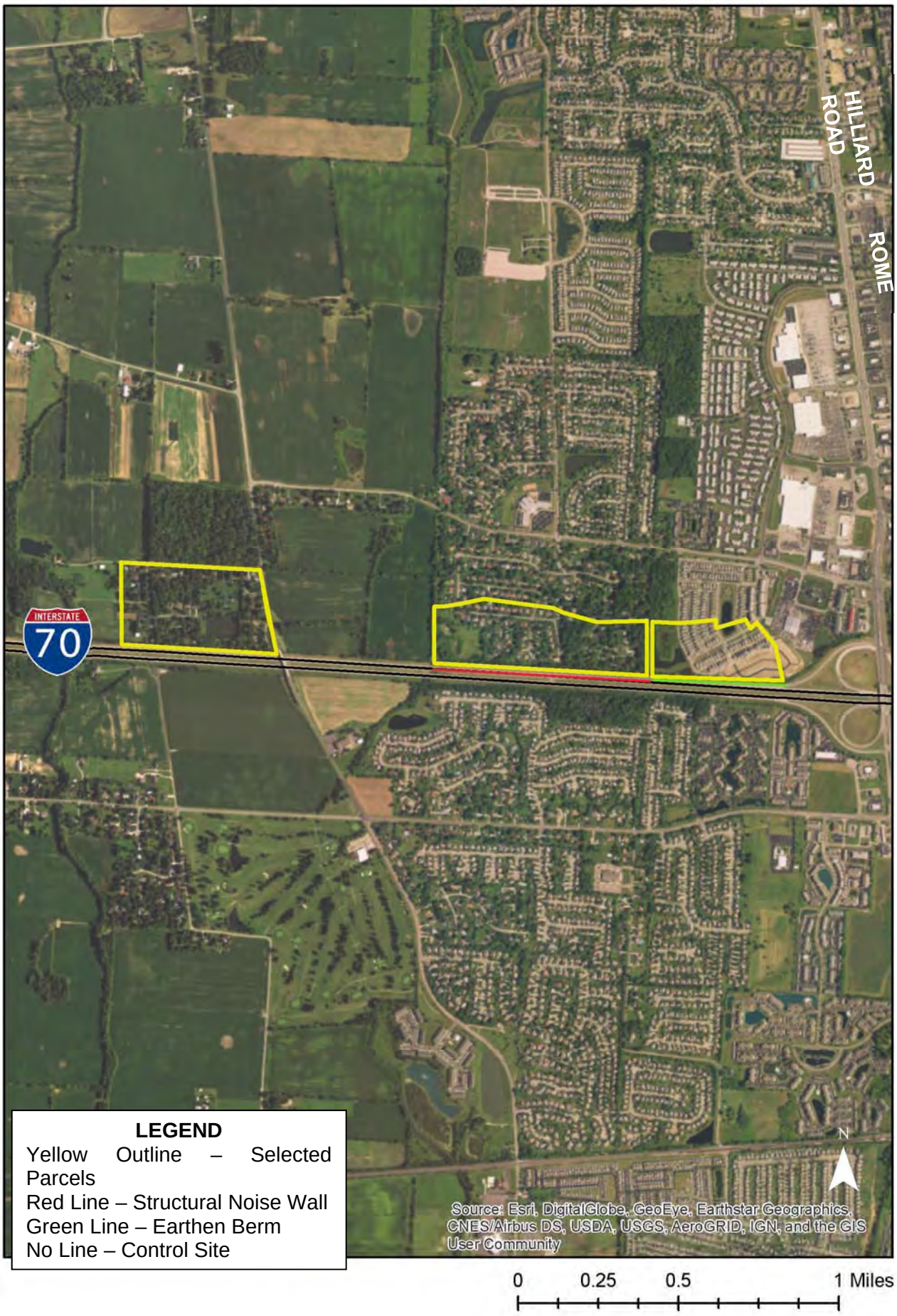

**LEGEND**

Yellow Outline – Selected Parcels
Red Line – Structural Noise Wall
Green Line – Earthen Berm
No Line – Control Site

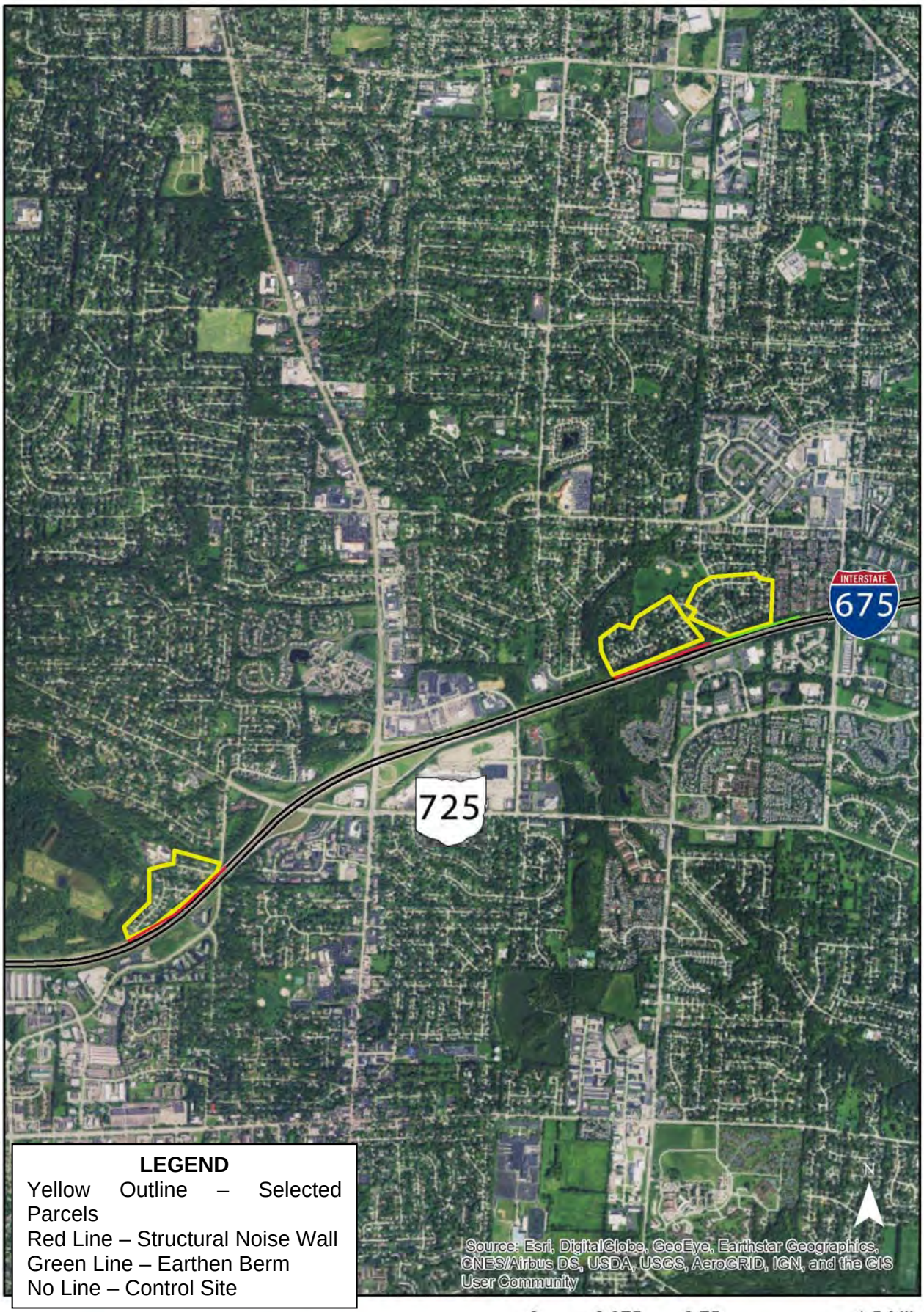
# EXHIBIT 4: STUDY AREA 3



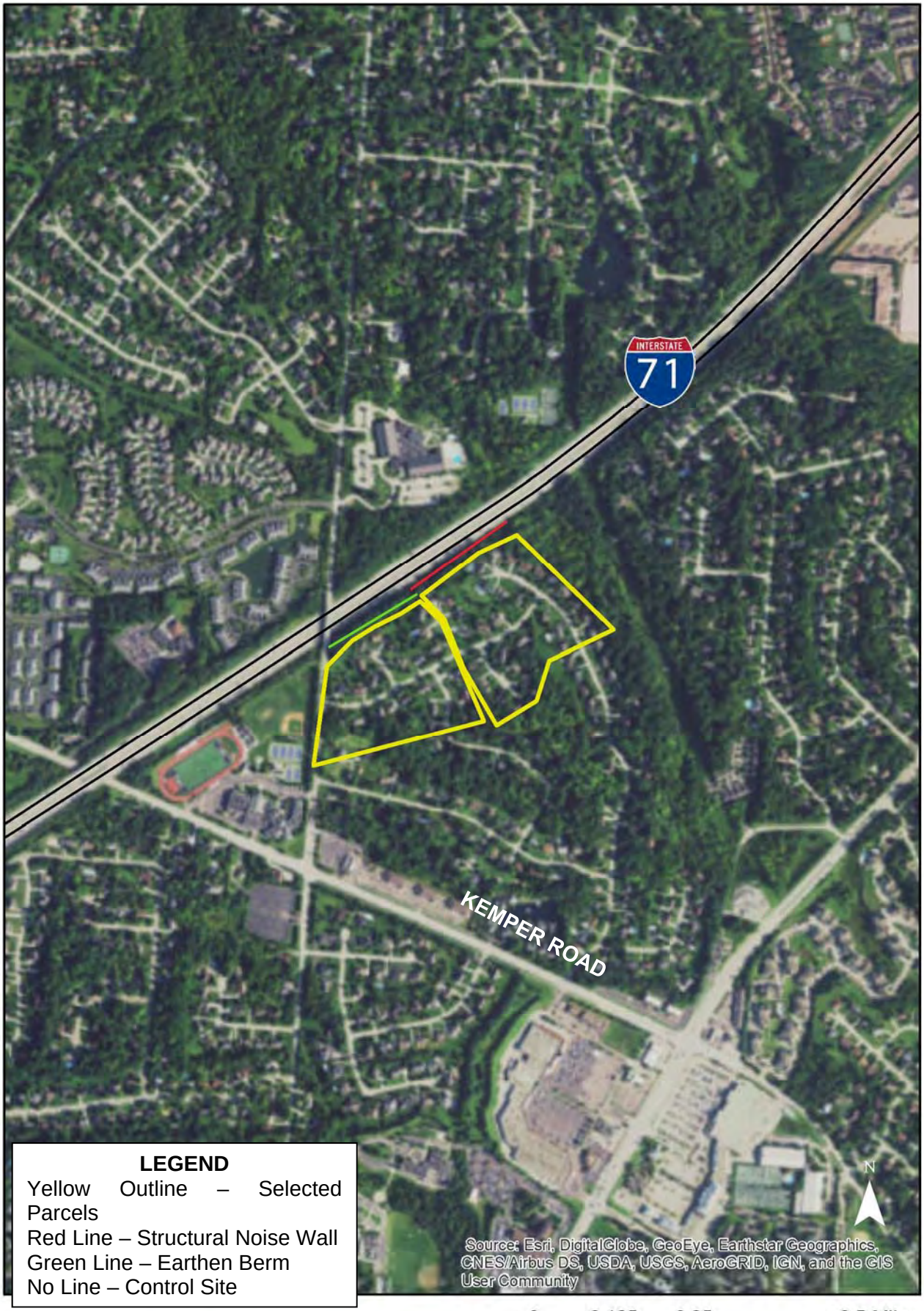
# EXHIBIT 5: STUDY AREA 4



# EXHIBIT 6: STUDY AREA 5



# EXHIBIT 7: STUDY AREA 6



# APPENDIX A
## Statistical Spreadsheet Models

*June 7, 2017 4:20 PM regressit Model 1*

**Model:** Model 1
**Dependent Variable:** Total_Value

**Regression Statistics: Model 1 for Total_Value (12 variables, n=1228)**

| R-Squared | Adj.R-Sqr. | Std.Err.Reg. | Std. Dev. | # Cases | # Missing | t(2.50%,1215) | Conf. level |
|---|---|---|---|---|---|---|---|
| 0.795 | 0.793 | 56,985 | 125,100 | 1228 | 3 | 1.962 | 95.0% |

**Coefficient Estimates: Model 1 for Total_Value (12 variables, n=1228)**

| Variable | Coefficient | Std.Err. | t-Stat. | P-value | Lower95% | Upper95% | Std. Dev. | Std. Coeff. |
|---|---|---|---|---|---|---|---|---|
| Constant | -440,400 | 33,049 | -13.326 | 0.000 | -505,239 | -375,560 | | |
| Age_of_Home | -776.197 | 91.491 | -8.484 | 0.000 | -955.694 | -596.700 | 40.161 | -0.249 |
| Basement | 62,315 | 4,626 | 13.471 | 0.000 | 53,239 | 71,390 | 0.415 | 0.207 |
| Constructed_Noise_wall | -3,745 | 5,533 | -0.677 | 0.499 | -14,599 | 7,110 | 0.498 | -0.015 |
| Garage | 12,278 | 6,891 | 1.782 | 0.075 | -1,242 | 25,798 | 0.410 | 0.040 |
| Home_SF | 60.686 | 3.898 | 15.569 | 0.000 | 53.039 | 68.333 | 688.275 | 0.334 |
| House_Stories | 9,464 | 4,233 | 2.236 | 0.026 | 1,158 | 17,770 | 0.480 | 0.036 |
| Lot_Size_Acres | 8,854 | 3,856 | 2.296 | 0.022 | 1,289 | 16,419 | 0.462 | 0.033 |
| Noise_Berm | -5,258 | 6,033 | -0.872 | 0.384 | -17,094 | 6,578 | 0.494 | -0.021 |
| School_District_Rating | 4,970 | 329.454 | 15.086 | 0.000 | 4,324 | 5,617 | 10.102 | 0.401 |
| Total_Baths | 10,198 | 3,727 | 2.736 | 0.006 | 2,885 | 17,511 | 0.748 | 0.061 |
| Total_Bedrooms | -7,627 | 3,258 | -2.341 | 0.019 | -14,019 | -1,236 | 0.794 | -0.048 |
| Total_Rooms | -4,140 | 2,247 | -1.843 | 0.066 | -8,548 | 267.768 | 1.320 | -0.044 |

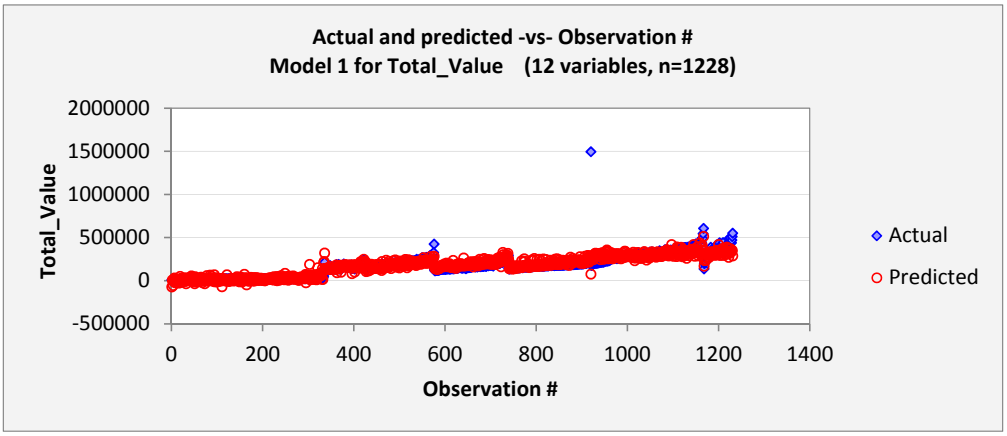
**Analysis of Variance: Model 1 for Total_Value (12 variables, n=1228)**

**Residual Distribution Statistics: Model 1 for Total_Value (12 variables, n=1228)**

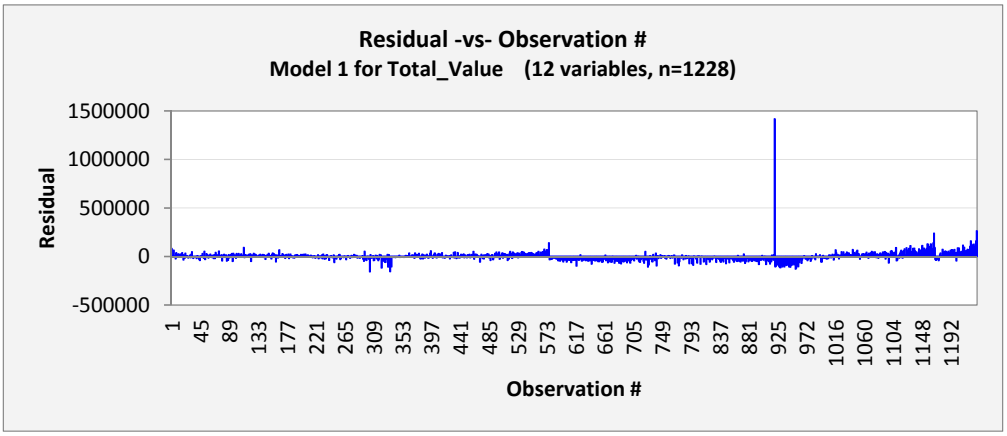
| #Res.>0 | #Res.<=0 | A-D* Stat. | P-value | MinStdRes | MaxStdRes |
|---|---|---|---|---|---|
| 580 | 648 | 58.549 | 0.000 | -2.748 | 24.893 |

See the residual histogram and normal quantile plot for more details of the error distribution.

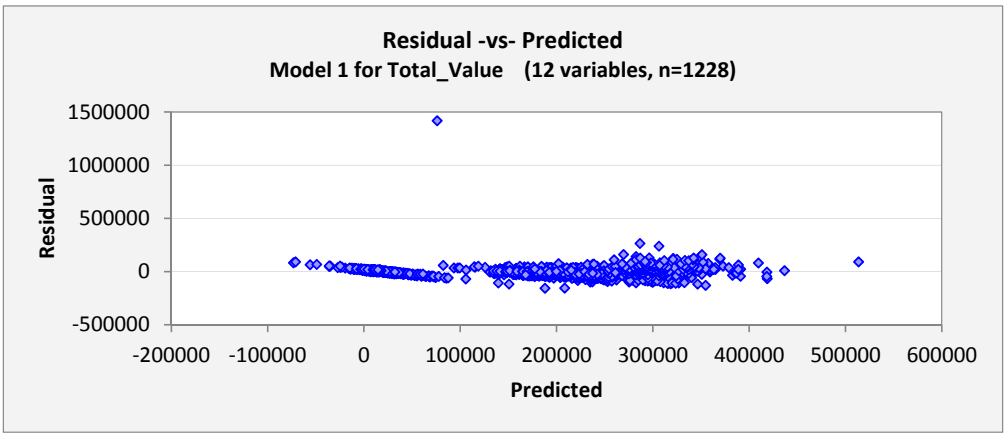
**Actual and predicted -vs- Observation #**



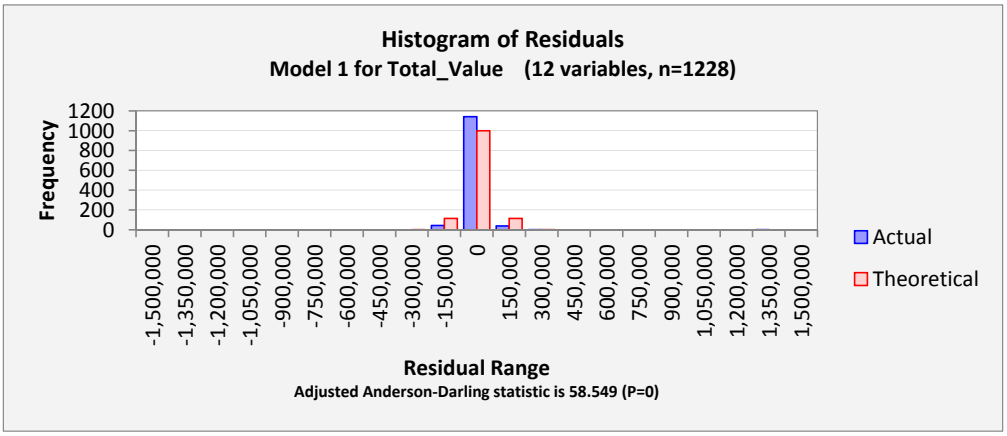

**Residual -vs- Observation #**



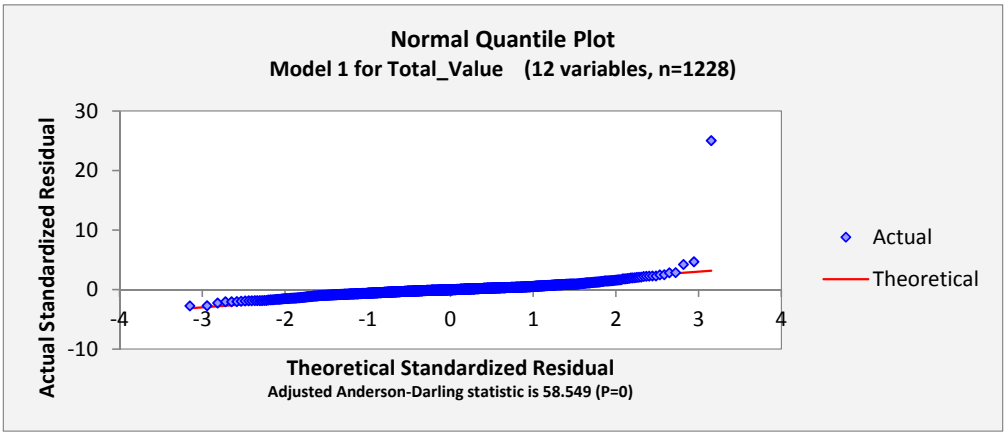
**Residual -vs- Predicted**




**Histogram of Residuals**




**Normal Quantile Plot**




**Correlation Matrix of Coefficient Estimates : Model 1 for Total_Value (12 variables, n=1228)**

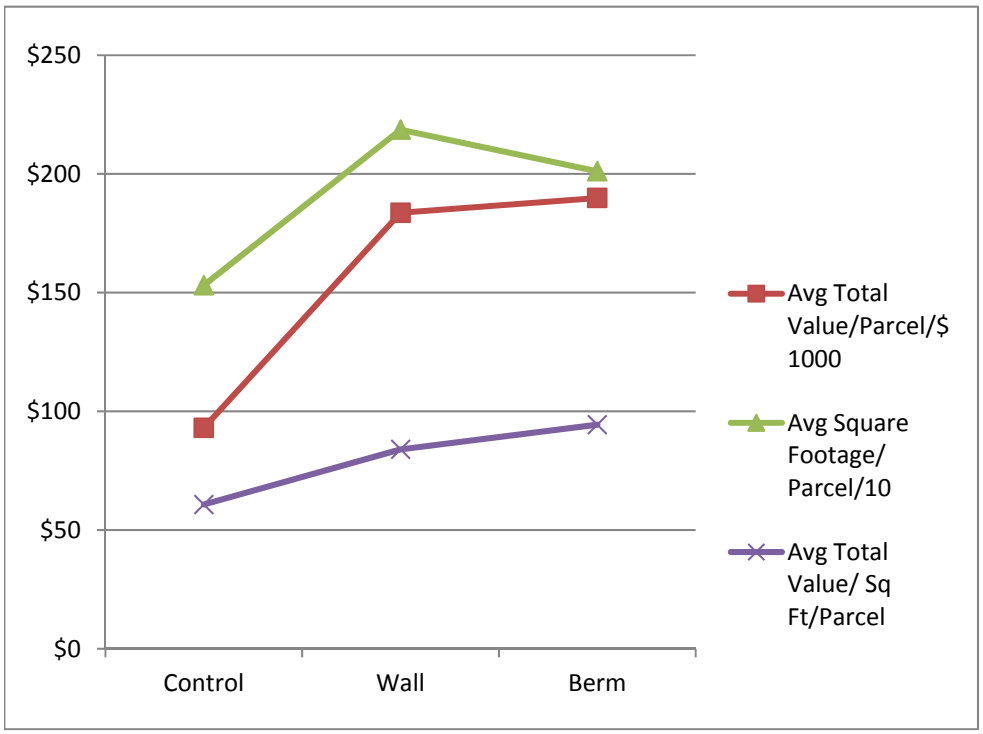
**Residual -vs- Independent Variable Plots. . .**

# STATISTICAL SPREADSHEET MODEL

## HEDONIC MODEL (3 VARIABLES) ANALYSIS

| | Control | Wall | Berm |
|---|---|---|---|
| Total Parcels | 153 | 562 | 516 |
| Avg Total Propery Value | $93,071 | $183,647 | $189,859 |
| Avg Property Square Footage | 1,531 | 2,186 | 2,011 |
| Avg Total Value/ Sq Ft/Parcel | $60.79 | $83.99 | $94.39 |
| | | | |
| Avg Total Value/Parcel/$1000 | $93 | $184 | $190 |
| Avg Square Footage/ Parcel/10 | 153 | 219 | 201 |

Equation: Property Value = 6,955 x Wall + 35,493 x Berm + 127.556 x SF - 102,206



*June 7, 2017 4:21 PM regressit Model 2*

**Model:** Model 2
**Dependent Variable:** Total_Value

**Regression Statistics: Model 2 for Total_Value (3 variables, n=1231)**

| R-Squared | Adj.R-Sqr. | Std.Err.Reg. | Std. Dev. | # Cases | # Missing | t(2.50%,1227) | Conf. level |
|---|---|---|---|---|---|---|---|
| 0.511 | 0.509 | 87,531 | 124,961 | 1231 | 0 | 1.962 | 95.0% |

**Coefficient Estimates: Model 2 for Total_Value (3 variables, n=1231)**

| Variable | Coefficient | Std.Err. | t-Stat. | P-value | Lower95% | Upper95% | Std. Dev. | Std. Coeff. |
|---|---|---|---|---|---|---|---|---|
| Constant | -102,206 | 9,163 | -11.154 | 0.000 | -120,182 | -84,229 | | |
| Constructed_Noise_wall | 6,955 | 8,362 | 0.832 | 0.406 | -9,450 | 23,361 | 0.498 | 0.028 |
| Home_SF | 127.556 | 3.802 | 33.548 | 0.000 | 120.096 | 135.015 | 687.890 | 0.702 |
| Noise_Berm | 35,493 | 8,262 | 4.296 | 0.000 | 19,283 | 51,702 | 0.494 | 0.140 |

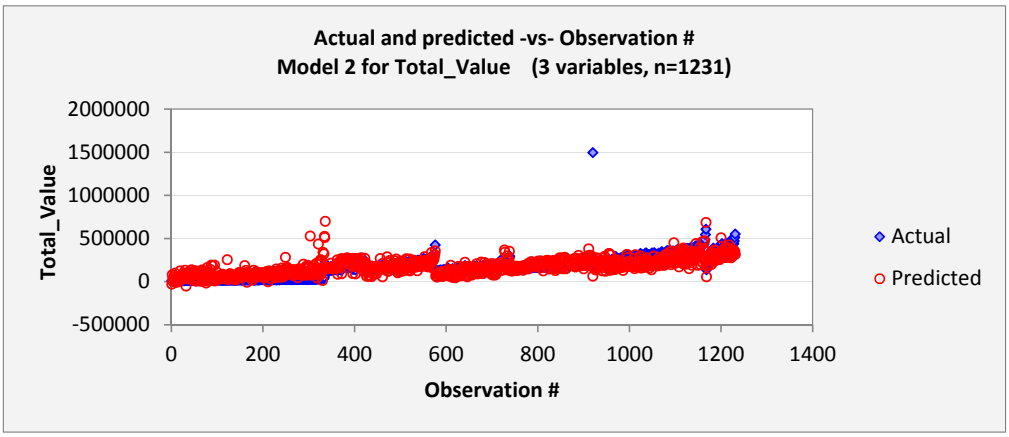
**Analysis of Variance: Model 2 for Total_Value (3 variables, n=1231)**

**Residual Distribution Statistics: Model 2 for Total_Value (3 variables, n=1231)**

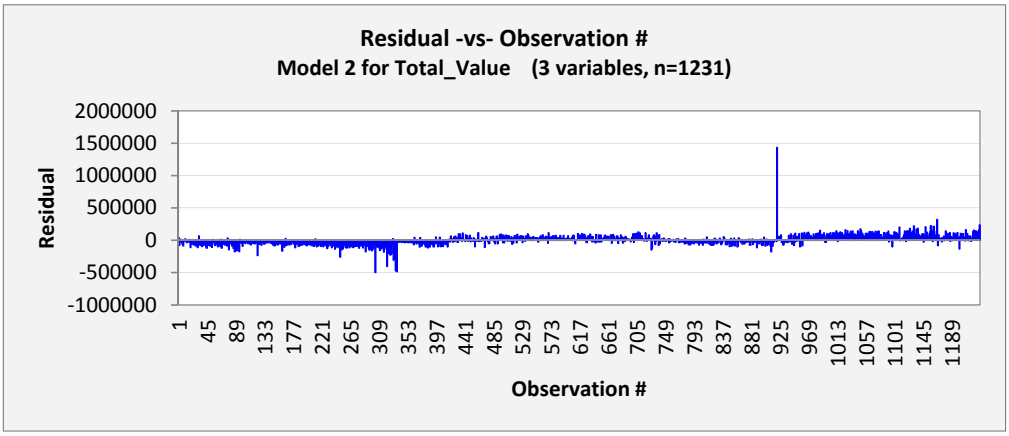
| #Res.>0 | #Res.<=0 | A-D* Stat. | P-value | MinStdRes | MaxStdRes |
|---|---|---|---|---|---|
| 579 | 652 | 13.331 | 0.000 | -5.675 | 16.354 |

See the residual histogram and normal quantile plot for more details of the error distribution.

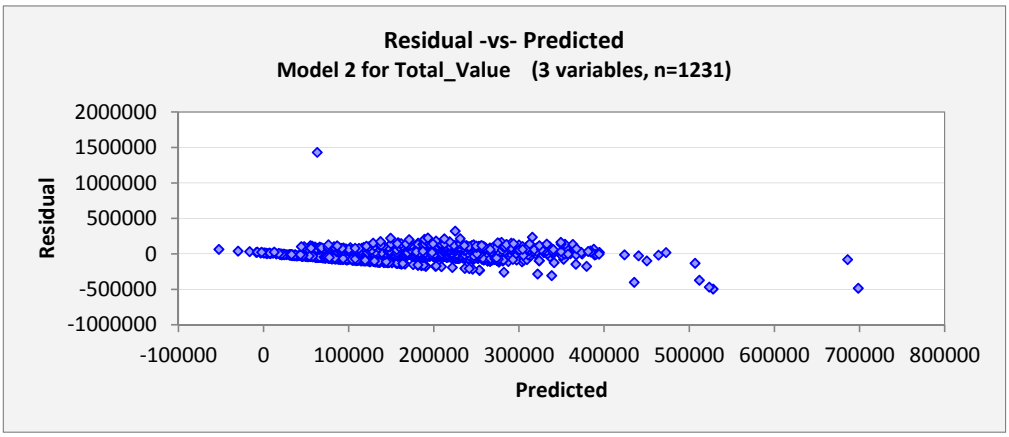
**Actual and predicted -vs- Observation #**



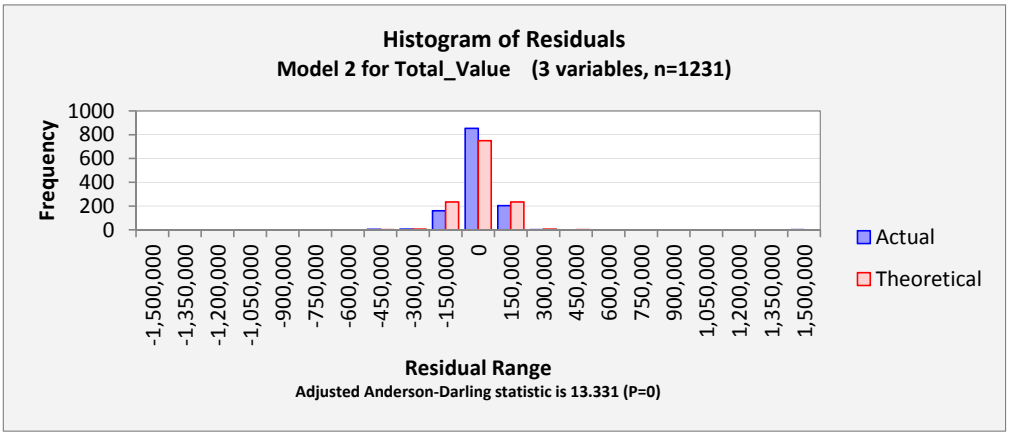

**Residual -vs- Observation #**



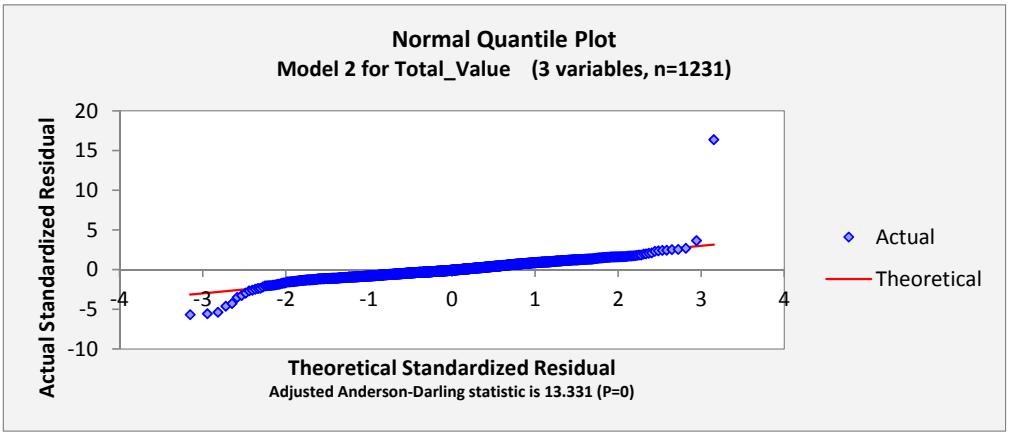
**Residual -vs- Predicted**




**Histogram of Residuals**




**Normal Quantile Plot**



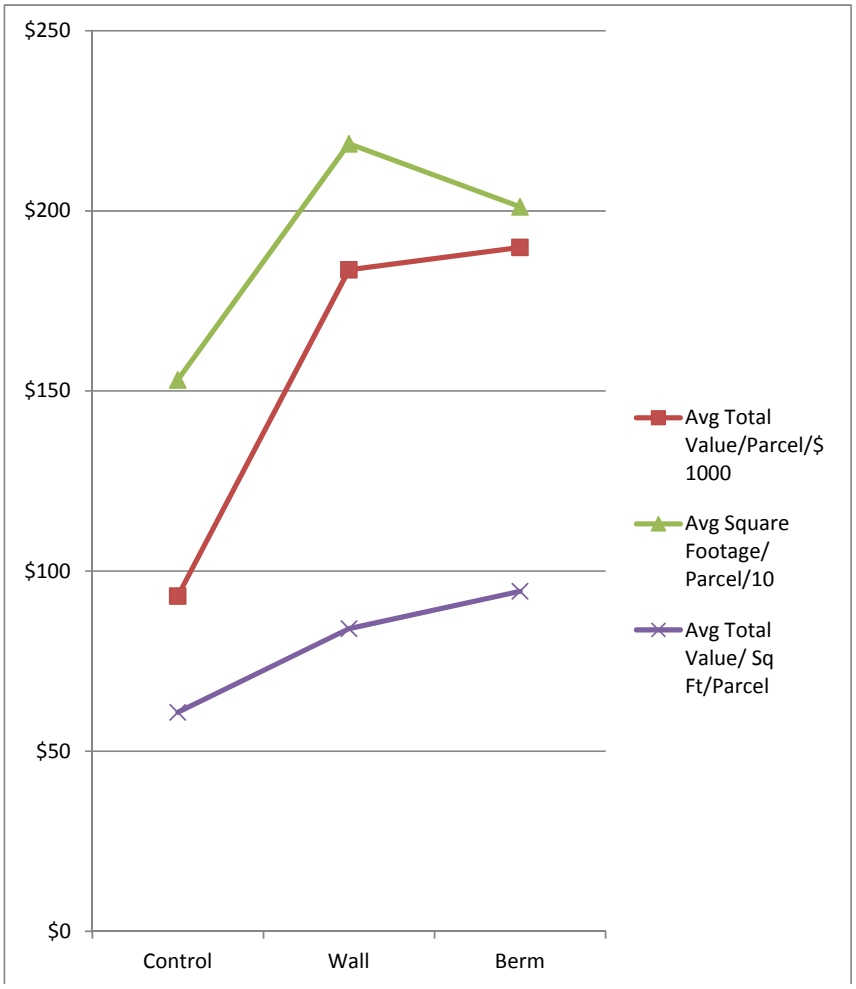

**Correlation Matrix of Coefficient Estimates : Model 2 for Total_Value (3 variables, n=1231)**

**Residual -vs- Independent Variable Plots. . .**

# STATISTICAL SPREADSHEET MODEL

## SIMPLE ANALYSIS

| | Control | Wall | Berm |
|---|---|---|---|
| Total Parcels | 153 | 562 | 516 |
| Avg Total Propery Value | $93,071 | $183,647 | $189,859 |
| Avg Property Square Footage | 1,531 | 2,186 | 2,011 |
| Avg Total Value/ Sq Ft/Parcel | $60.79 | $83.99 | $94.39 |
| | | | |
| Avg Total Value/Parcel/$1000 | $93 | $184 | $190 |
| Avg Square Footage/ Parcel/10 | 153 | 219 | 201 |
| | | | |
| Value Comp w/ Control | | 1.97 | 2.04 |
| Sq Ft Comp w/ Control | | 1.43 | 1.31 |
| Value/Sq Ft Comp w/ Control | | 1.38 | 1.55 |
| | | | |
| Value Comp w/ Wall | | | 1.03 |
| Sq Ft Comp w/ Wall | | | 0.92 |
| Value/Sq Ft Comp w/ Wall | | | 1.12 |



*June 6, 2017 4:26 PM regressit Kim Model 1*

**Model:** Model 1
**Dependent Variable:** Total_Value

**Regression Statistics: Model 1 for Total_Value (11 variables, n=336)**

| R-Squared | Adj.R-Sqr. | Std.Err.Reg. | Std. Dev. | # Cases | # Missing | t(2.50%,324) | Conf. level |
|---|---|---|---|---|---|---|---|
| 0.637 | 0.624 | 8,394 | 13,693 | 336 | 0 | 1.967 | 95.0% |

**Coefficient Estimates: Model 1 for Total_Value (11 variables, n=336)**

| Variable | Coefficient | Std.Err. | t-Stat. | P-value | Lower95% | Upper95% | Std. Dev. | Std. Coeff. |
|---|---|---|---|---|---|---|---|---|
| Constant | 6,592 | 8,201 | 0.804 | 0.422 | -9,543 | 22,727 | | |
| Age_of_Home | -136.004 | 34.467 | -3.946 | 0.000 | -203.811 | -68.198 | 16.419 | -0.163 |
| Basement | 3,413 | 3,896 | 0.876 | 0.382 | -4,251 | 11,077 | 0.170 | 0.042 |
| Constructed_Noise_wall | -2,915 | 1,170 | -2.491 | 0.013 | -5,217 | -612.735 | 0.500 | -0.106 |
| Garage | 2,967 | 1,259 | 2.356 | 0.019 | 489.804 | 5,445 | 0.413 | 0.089 |
| Home_SF | 18.099 | 1.005 | 18.006 | 0.000 | 16.121 | 20.076 | 599.074 | 0.792 |
| House_Stories | -3,261 | 2,030 | -1.606 | 0.109 | -7,256 | 732.947 | 0.299 | -0.071 |
| Lot_Size_Acres | 1,336 | 6,837 | 0.195 | 0.845 | -12,114 | 14,786 | 0.076 | 0.007 |
| Noise_Berm | 2,447 | 1,415 | 1.730 | 0.085 | -335.888 | 5,230 | 0.409 | 0.073 |
| Total_Bath | -8,462 | 2,394 | -3.535 | 0.000 | -13,172 | -3,753 | 0.605 | -0.374 |
| Total_Bedrooms | -7,443 | 2,017 | -3.691 | 0.000 | -11,410 | -3,475 | 0.940 | -0.511 |
| Total_Rooms | 5,367 | 1,994 | 2.691 | 0.007 | 1,443 | 9,290 | 1.341 | 0.526 |

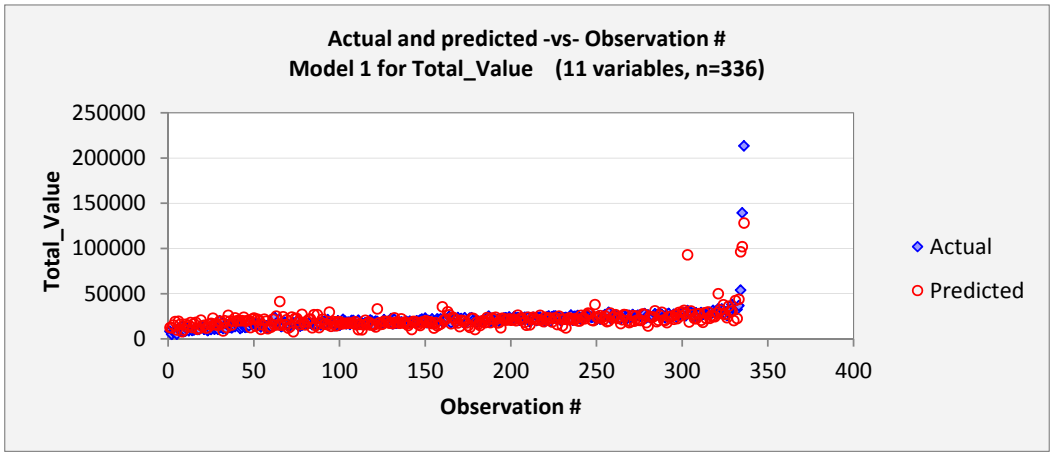
**Analysis of Variance: Model 1 for Total_Value (11 variables, n=336)**

**Residual Distribution Statistics: Model 1 for Total_Value (11 variables, n=336)**

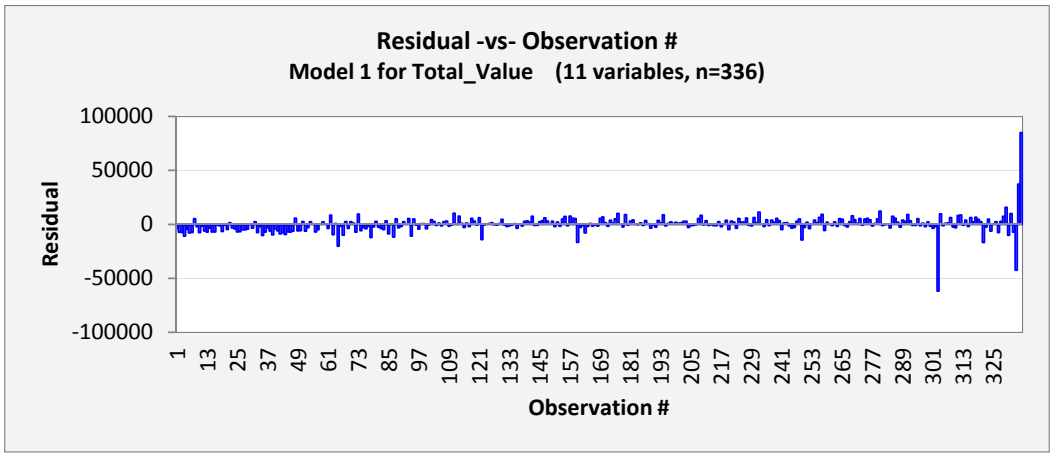
| #Res.>0 | #Res.<=0 | A-D* Stat. | P-value | MinStdRes | MaxStdRes |
|---|---|---|---|---|---|
| 169 | 167 | 16.644 | 0.000 | -7.362 | 10.147 |

See the residual histogram and normal quantile plot for more details of the error distribution.

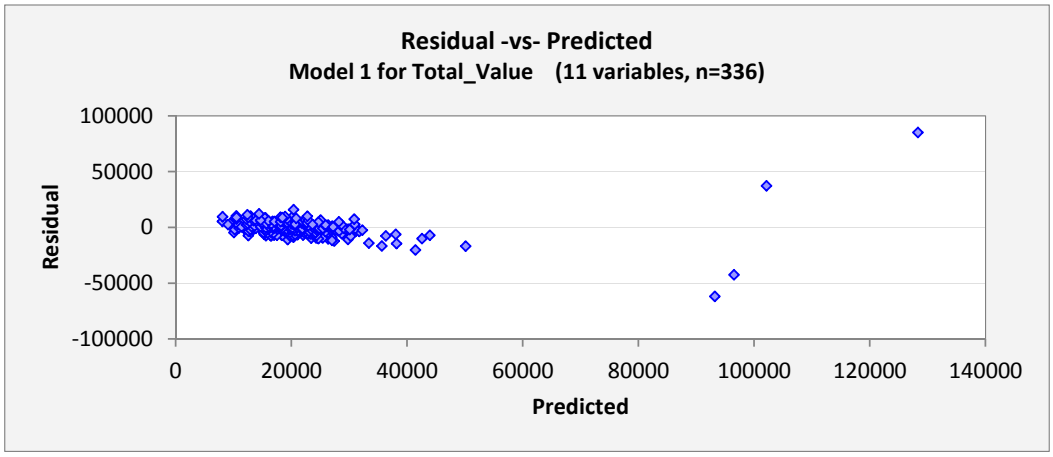
**Actual and predicted -vs- Observation #**



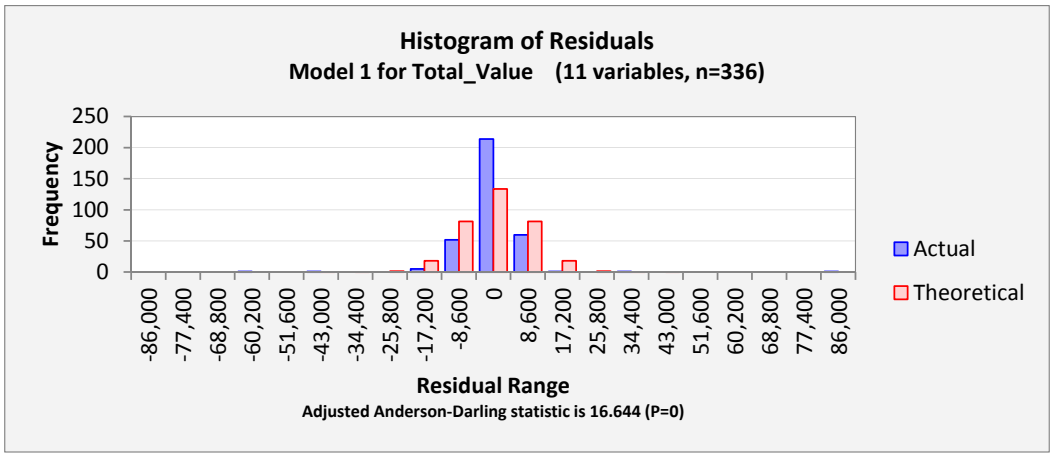

**Residual -vs- Observation #**



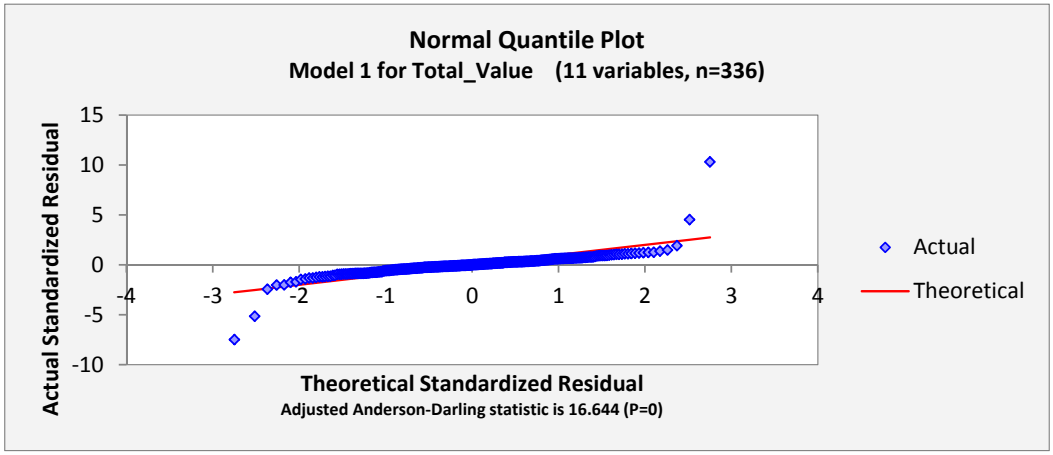
**Residual -vs- Predicted**




**Histogram of Residuals**




**Normal Quantile Plot**




**Correlation Matrix of Coefficient Estimates : Model 1 for Total_Value (11 variables, n=336)**

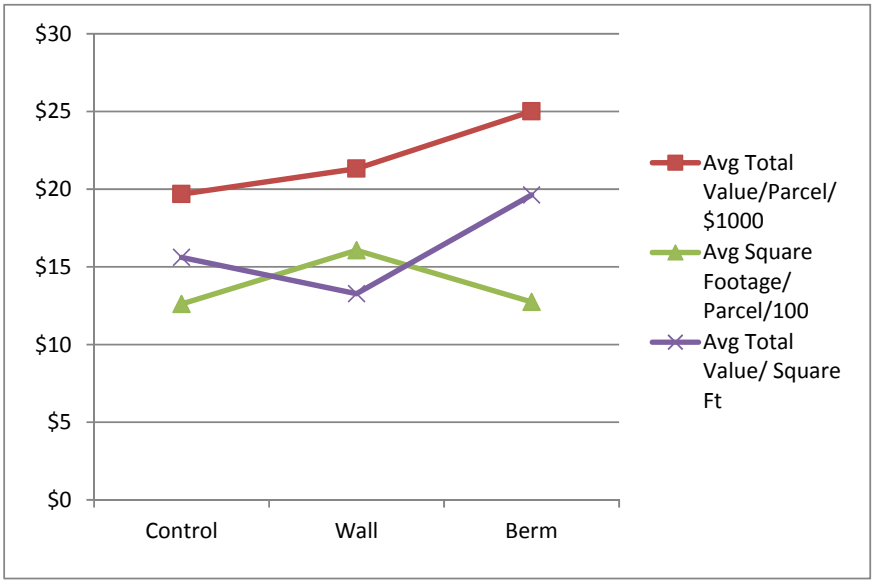
**Residual -vs- Independent Variable Plots. . .**

# Simple Analysis

## Study Area 1

| | Control | Wall | Berm |
|---|---|---|---|
| Total Parcels | 88 | 177 | 71 |
| Avg Total Value/Parcel | $19,678 | $21,323 | $25,001 |
| Avg Square Footage/ Parcel | 1,260 | 1,607 | 1,274 |
| Avg Total Value/Parcel/$1000 | $20 | $21 | $25 |
| Avg Square Footage/ Parcel/100 | 13 | 16 | 13 |
| Avg Total Value/ Square Ft | $15.61 | $13.27 | $19.63 |

| | | |
|---|---|---|
| Value Comp w/ Control | 1.08 | 1.27 |
| Sq Ft Comp w/ Control | 1.27 | 1.01 |
| Value/Sq Ft Comp w/ Control | 0.85 | 1.26 |
| | | |
| Value Comp w/ Wall | | 1.17 |
| Sq Ft Comp w/ Wall | | 0.79 |
| Value/Sq Ft Comp w/ Wall | | 1.48 |



*June 7, 2017 9:10 AM regressit Kim Model 1*

**Model:** Model 1
**Dependent Variable:** Total_Value

**Regression Statistics: Model 1 for Total_Value (9 variables, n=248)**

| R-Squared | Adj.R-Sqr. | Std.Err.Reg. | Std. Dev. | # Cases | # Missing | t(2.50%,238) | Conf. level |
|---|---|---|---|---|---|---|---|
| 0.636 | 0.622 | 61,395 | 99,857 | 248 | 0 | 1.970 | 95.0% |

**Coefficient Estimates: Model 1 for Total_Value (9 variables, n=248)**

| Variable | Coefficient | Std.Err. | t-Stat. | P-value | Lower95% | Upper95% | Std. Dev. | Std. Coeff. |
|---|---|---|---|---|---|---|---|---|
| Constant | 79,444 | 55,309 | 1.436 | 0.152 | -29,514 | 188,402 | | |
| Age_of_Home | 8,905 | 606.240 | 14.690 | 0.000 | 7,711 | 10,100 | 9.385 | 0.837 |
| Basement | -135,653 | 42,126 | -3.220 | 0.001 | -218,641 | -52,665 | 0.110 | -0.149 |
| Home_SF | 58.324 | 10.966 | 5.318 | 0.000 | 36.720 | 79.927 | 598.327 | 0.349 |
| House_Stories | -67,360 | 13,406 | -5.024 | 0.000 | -93,770 | -40,949 | 0.497 | -0.336 |
| Lot_Size_Acres | -14,150 | 5,134 | -2.756 | 0.006 | -24,263 | -4,037 | 0.790 | -0.112 |
| Noise_Berm | 86,619 | 12,319 | 7.031 | 0.000 | 62,350 | 110,887 | 0.500 | 0.434 |
| Total_Baths | 51,263 | 8,152 | 6.288 | 0.000 | 35,203 | 67,323 | 0.628 | 0.322 |
| Total_Bedrooms | 6,639 | 7,694 | 0.863 | 0.389 | -8,518 | 21,797 | 0.840 | 0.056 |
| Total_Rooms | 4,074 | 5,445 | 0.748 | 0.455 | -6,653 | 14,800 | 1.470 | 0.060 |

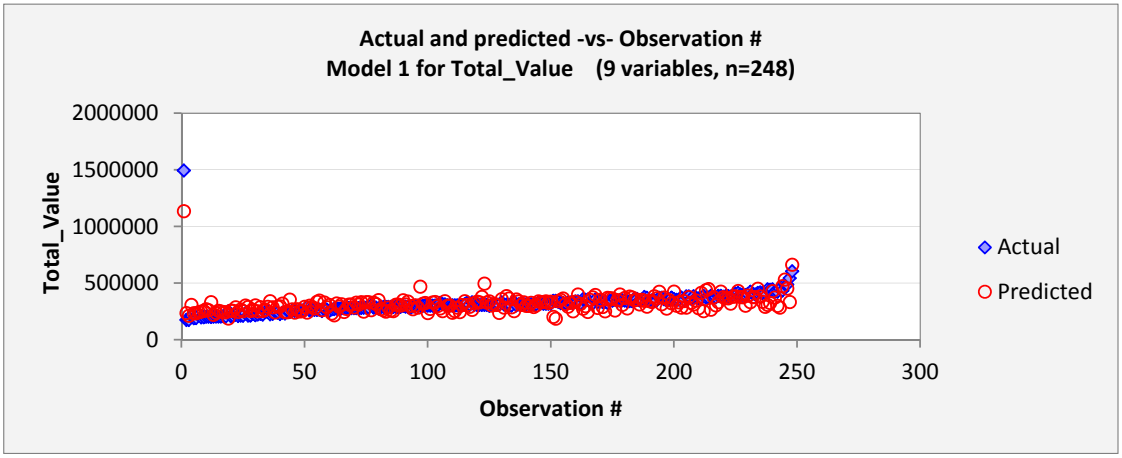
**Analysis of Variance: Model 1 for Total_Value (9 variables, n=248)**

**Residual Distribution Statistics: Model 1 for Total_Value (9 variables, n=248)**

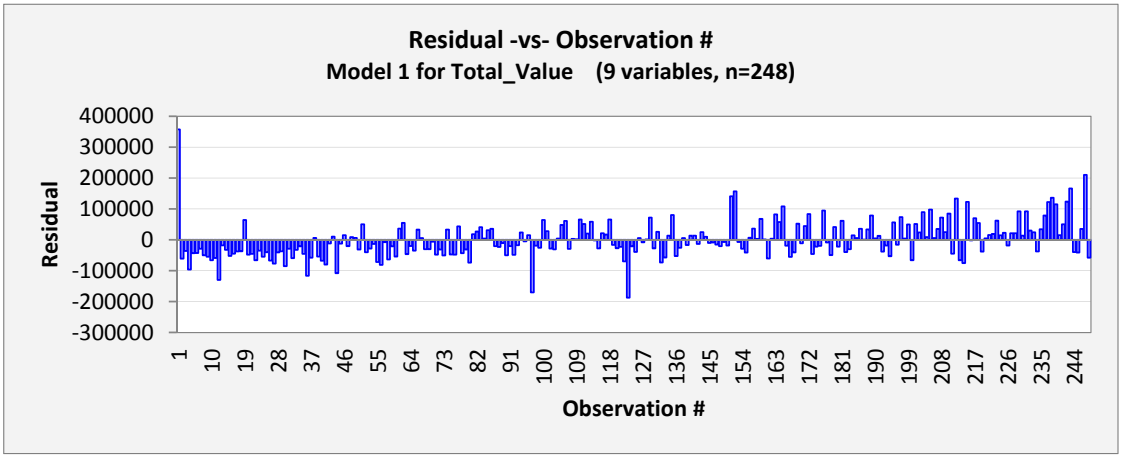
| #Res.>0 | #Res.<=0 | A-D* Stat. | P-value | MinStdRes | MaxStdRes |
|---|---|---|---|---|---|
| 114 | 134 | 3.188 | 0.000 | -3.052 | 5.826 |

See the residual histogram and normal quantile plot for more details of the error distribution.

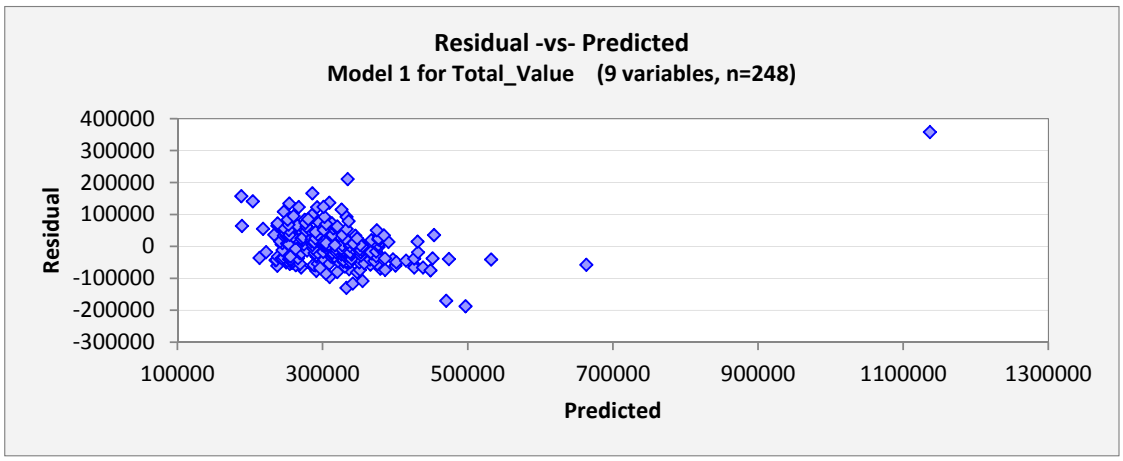
**Actual and predicted -vs- Observation #**



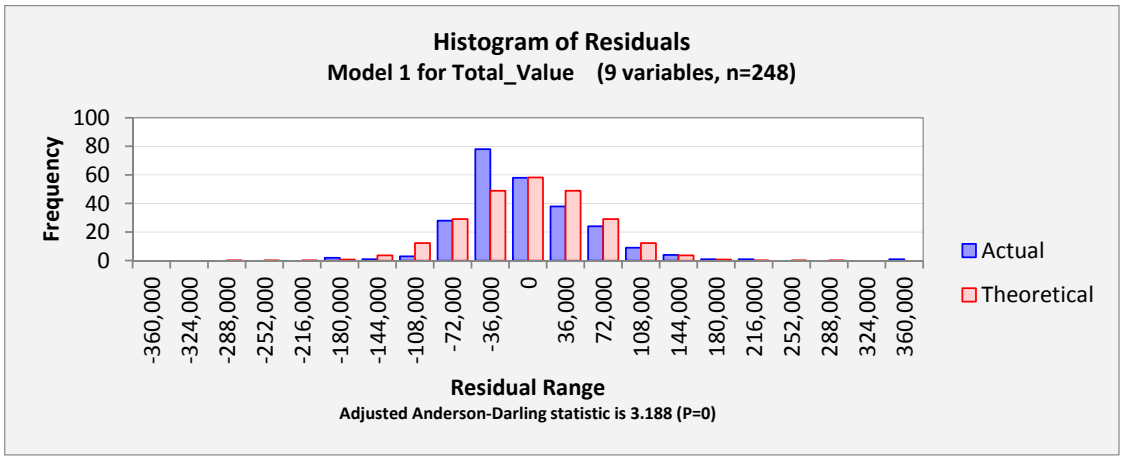

**Residual -vs- Observation #**



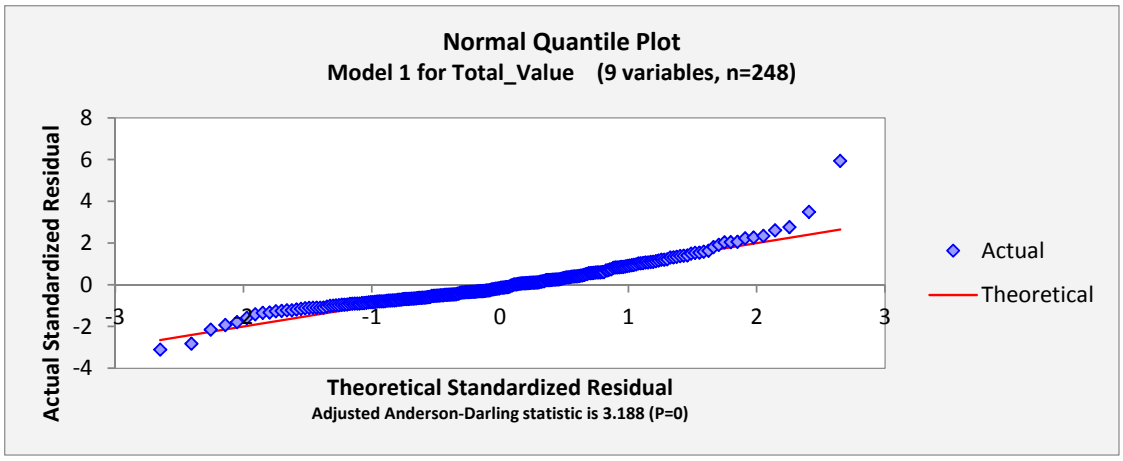
**Residual -vs- Predicted**




**Histogram of Residuals**




**Normal Quantile Plot**




**Correlation Matrix of Coefficient Estimates : Model 1 for Total_Value (9 variables, n=248)**

**Residual -vs- Independent Variable Plots. . .**

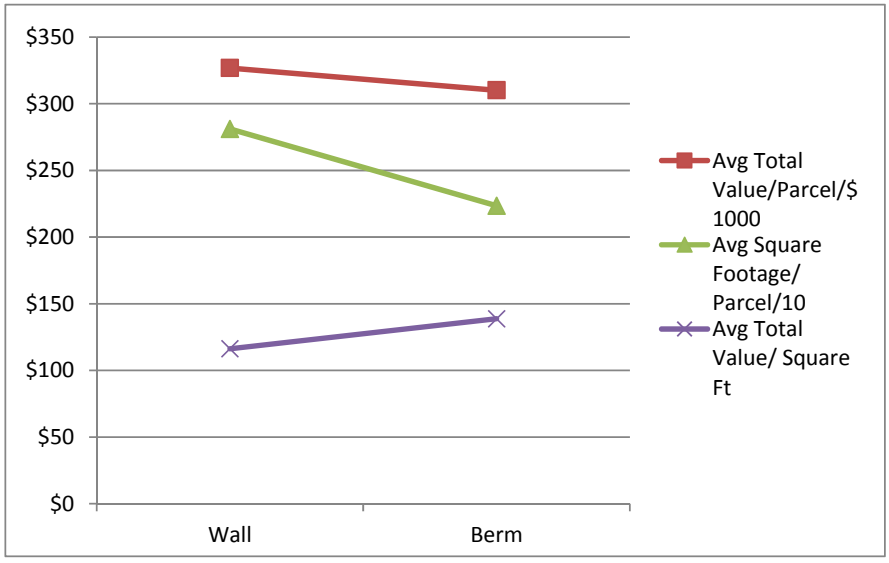
# Simple Analysis

## Study Area 2

| | Control | Wall | Berm |
|---|---|---|---|
| Total Parcels | N/A | 131 | 117 |
| Avg Total Value/Parcel | N/A | $326,740 | $310,080 |
| Avg Square Footage/ Parcel | N/A | 2,811 | 2,235 |
| Avg Total Value/Parcel/$1000 | N/A | $327 | $310 |
| Avg Square Footage/ Parcel/10 | N/A | 281 | 223 |
| Avg Total Value/ Square Ft | #VALUE! | $116.23 | $138.75 |

| | | |
|---|---|---|
| Value Comp w/ Control | N/A | N/A |
| Sq Ft Comp w/ Control | N/A | N/A |
| Value/Sq Ft Comp w/ Control | N/A | N/A |

| | |
|---|---|
| Value Comp w/ Wall | 0.95 |
| Sq Ft Comp w/ Wall | 0.80 |
| Value/Sq Ft Comp w/ Wall | 1.19 |



*June 6, 2017 4:20 PM regressit Kim Model 1*

**Model:** Model 1
**Dependent Variable:** Total_Value

**Regression Statistics: Model 1 for Total_Value (10 variables, n=240)**

| R-Squared | Adj.R-Sqr. | Std.Err.Reg. | Std. Dev. | # Cases | # Missing | t(2.50%,229) | Conf. level |
|---|---|---|---|---|---|---|---|
| 0.848 | 0.842 | 17,308 | 43,481 | 240 | 0 | 1.970 | 95.0% |

**Coefficient Estimates: Model 1 for Total_Value (10 variables, n=240)**

| Variable | Coefficient | Std.Err. | t-Stat. | P-value | Lower95% | Upper95% | Std. Dev. | Std. Coeff. |
|---|---|---|---|---|---|---|---|---|
| Constant | 173,108 | 19,348 | 8.947 | 0.000 | 134,985 | 211,231 | | |
| Age_of_Home | -2,681 | 275.655 | -9.724 | 0.000 | -3,224 | -2,137 | 13.219 | -0.815 |
| Basement | 42,170 | 5,209 | 8.096 | 0.000 | 31,907 | 52,434 | 0.494 | 0.479 |
| Constructed_Noise_wall | -41,469 | 8,204 | -5.055 | 0.000 | -57,635 | -25,304 | 0.493 | -0.470 |
| Home_SF | 49.580 | 4.091 | 12.120 | 0.000 | 41.520 | 57.640 | 399.998 | 0.456 |
| House_Stories | -17,503 | 4,082 | -4.288 | 0.000 | -25,546 | -9,460 | 0.465 | -0.187 |
| Lot_Size_Acres | 6,562 | 9,058 | 0.724 | 0.470 | -11,285 | 24,410 | 0.190 | 0.029 |
| Noise_Berm | -86,254 | 13,627 | -6.329 | 0.000 | -113,105 | -59,403 | 0.500 | -0.993 |
| Total_Baths | 10,476 | 4,003 | 2.617 | 0.009 | 2,590 | 18,363 | 0.331 | 0.080 |
| Total_Bedrooms | -2,017 | 3,181 | -0.634 | 0.527 | -8,284 | 4,250 | 0.495 | -0.023 |
| Total_Rooms | 847.487 | 1,403 | 0.604 | 0.546 | -1,917 | 3,612 | 1.112 | 0.022 |

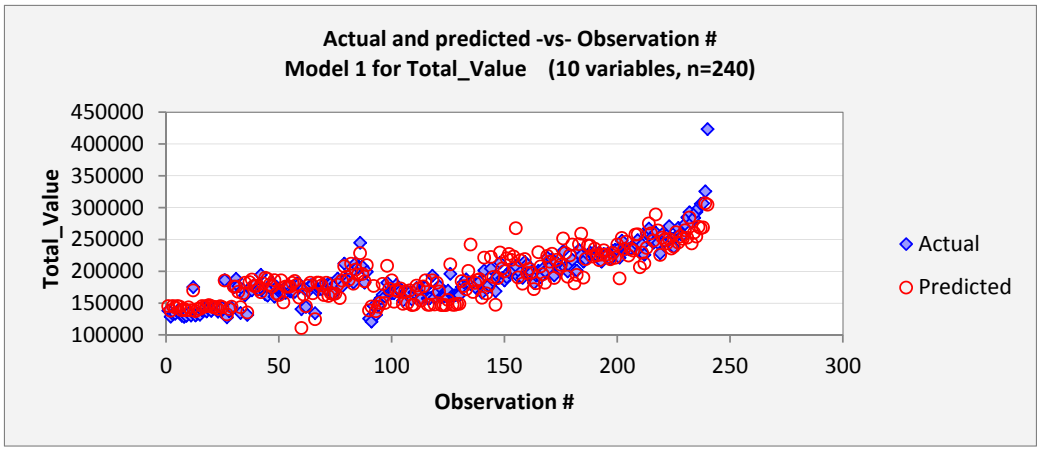
**Analysis of Variance: Model 1 for Total_Value (10 variables, n=240)**

**Residual Distribution Statistics: Model 1 for Total_Value (10 variables, n=240)**

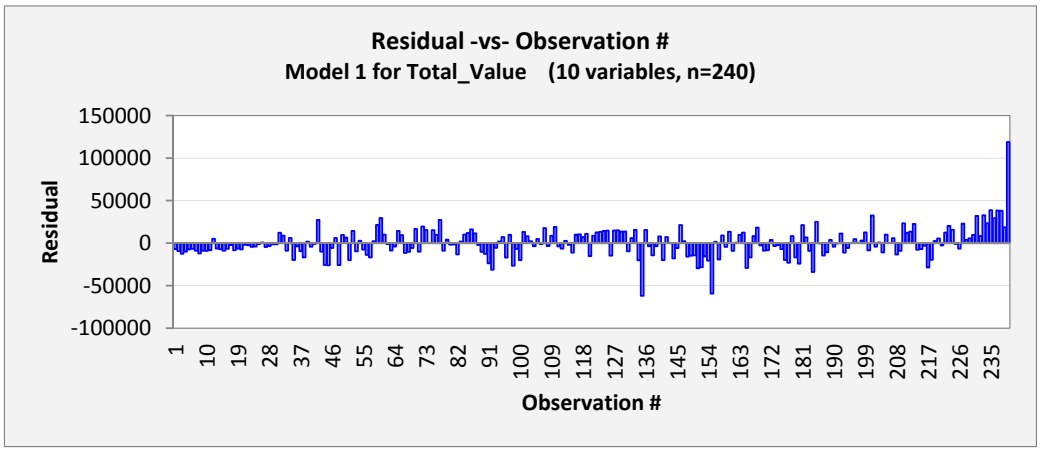
| #Res.>0 | #Res.<=0 | A-D* Stat. | P-value | MinStdRes | MaxStdRes |
|---|---|---|---|---|---|
| 111 | 129 | 2.011 | 0.000 | -3.577 | 6.874 |

See the residual histogram and normal quantile plot for more details of the error distribution.

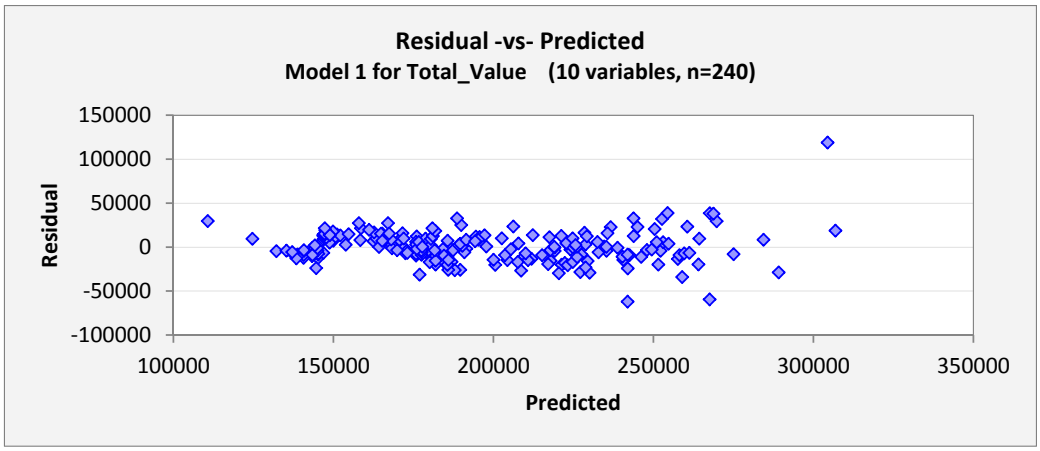
**Actual and predicted -vs- Observation #**



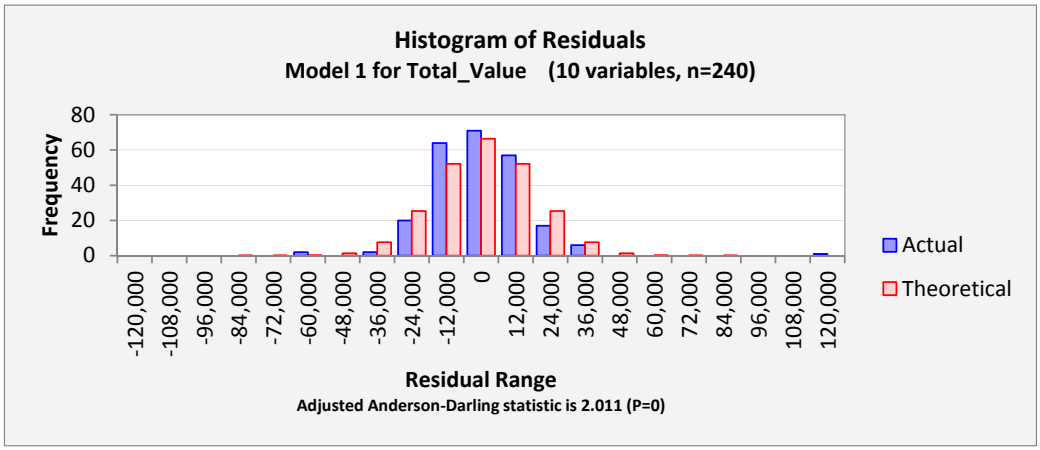

**Residual -vs- Observation #**



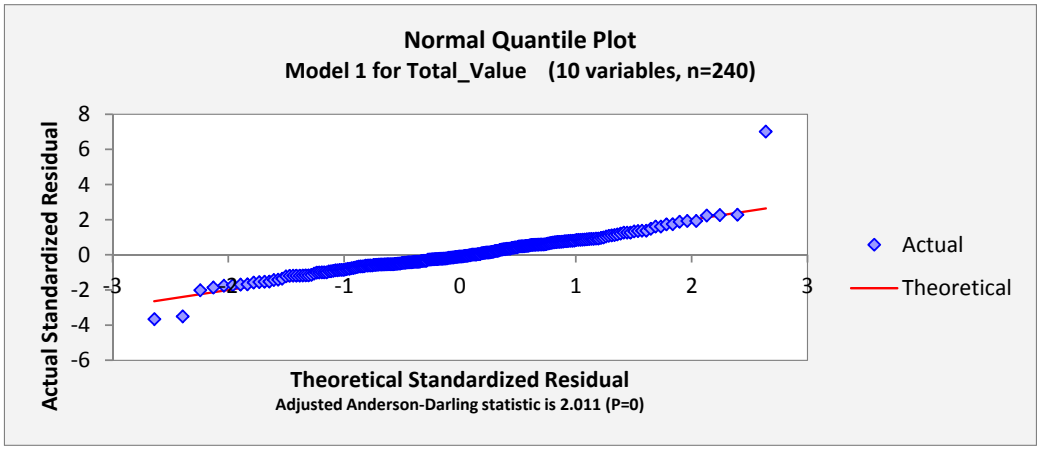
**Residual -vs- Predicted**




**Histogram of Residuals**




**Normal Quantile Plot**




**Correlation Matrix of Coefficient Estimates : Model 1 for Total_Value (10 variables, n=240)**

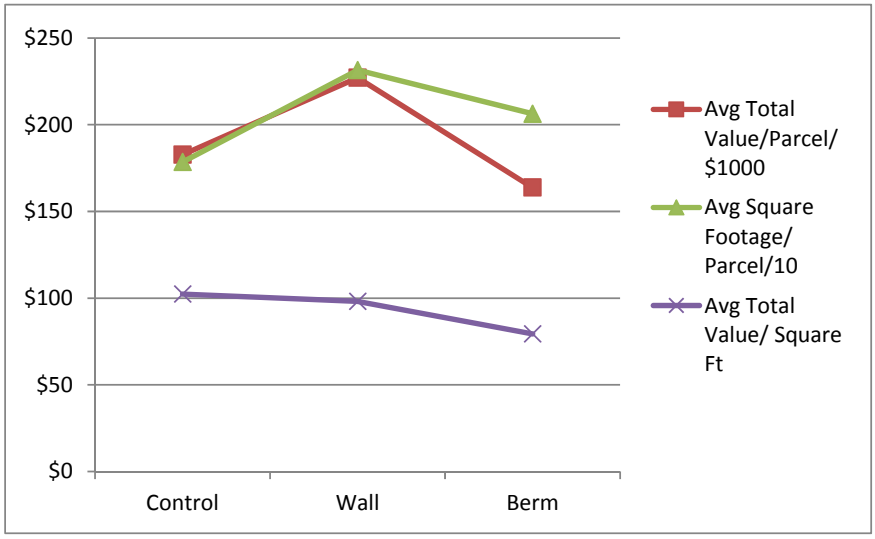
**Residual -vs- Independent Variable Plots. . .**

# Simple Analysis

## Study Area 3

| | Control | Wall | Berm |
|---|---|---|---|
| Total Parcels | 28 | 98 | 114 |
| Avg Total Value/Parcel | $182,636 | $227,089 | $163,728 |
| Avg Square Footage/ Parcel | 1,785 | 2,315 | 2,063 |
| Avg Total Value/Parcel/$1000 | $183 | $227 | $164 |
| Avg Square Footage/ Parcel/10 | 178 | 232 | 206 |
| Avg Total Value/ Square Ft | $102.33 | $98.09 | $79.36 |

| | | |
|---|---|---|
| Value Comp w/ Control | 1.24 | 0.90 |
| Sq Ft Comp w/ Control | 1.30 | 1.16 |
| Value/Sq Ft Comp w/ Control | 0.96 | 0.78 |
| | | |
| Value Comp w/ Wall | | 0.72 |
| Sq Ft Comp w/ Wall | | 0.89 |
| Value/Sq Ft Comp w/ Wall | | 0.81 |



*June 6, 2017 4:23 PM regressit Model 1*

**Model:** Model 1
**Dependent Variable:** Total_Value

**Regression Statistics: Model 1 for Total_Value (10 variables, n=163)**

| R-Squared | Adj.R-Sqr. | Std.Err.Reg. | Std. Dev. | # Cases | # Missing | t(2.50%,152) | Conf. level |
|---|---|---|---|---|---|---|---|
| 0.823 | 0.811 | 15,173 | 34,904 | 163 | 0 | 1.976 | 95.0% |

**Coefficient Estimates: Model 1 for Total_Value (10 variables, n=163)**

| Variable | Coefficient | Std.Err. | t-Stat. | P-value | Lower95% | Upper95% | Std. Dev. | Std. Coeff. |
|---|---|---|---|---|---|---|---|---|
| Constant | 130,675 | 13,914 | 9.392 | 0.000 | 103,186 | 158,164 | | |
| Age_of_Home | -897.157 | 175.249 | -5.119 | 0.000 | -1,243 | -550.919 | 18.886 | -0.485 |
| Basement | 9,414 | 6,997 | 1.345 | 0.181 | -4,410 | 23,238 | 0.448 | 0.121 |
| Constructed_Noise_wall | -13,316 | 3,565 | -3.735 | 0.000 | -20,360 | -6,272 | 0.501 | -0.191 |
| Home_SF | 41.667 | 3.702 | 11.257 | 0.000 | 34.354 | 48.980 | 467.143 | 0.558 |
| House_Stories | -9,699 | 3,421 | -2.835 | 0.005 | -16,457 | -2,940 | 0.469 | -0.130 |
| Lot_Size_Acres | 13,198 | 2,521 | 5.234 | 0.000 | 8,216 | 18,179 | 0.566 | 0.214 |
| Noise_Berm | -56,416 | 10,078 | -5.598 | 0.000 | -76,326 | -36,505 | 0.439 | -0.709 |
| Total_Baths | 3,882 | 3,485 | 1.114 | 0.267 | -3,004 | 10,767 | 0.431 | 0.048 |
| Total_Bedrooms | -4,655 | 2,975 | -1.564 | 0.120 | -10,533 | 1,224 | 0.648 | -0.086 |
| Total_Rooms | 3,284 | 2,164 | 1.517 | 0.131 | -991.993 | 7,560 | 1.028 | 0.097 |

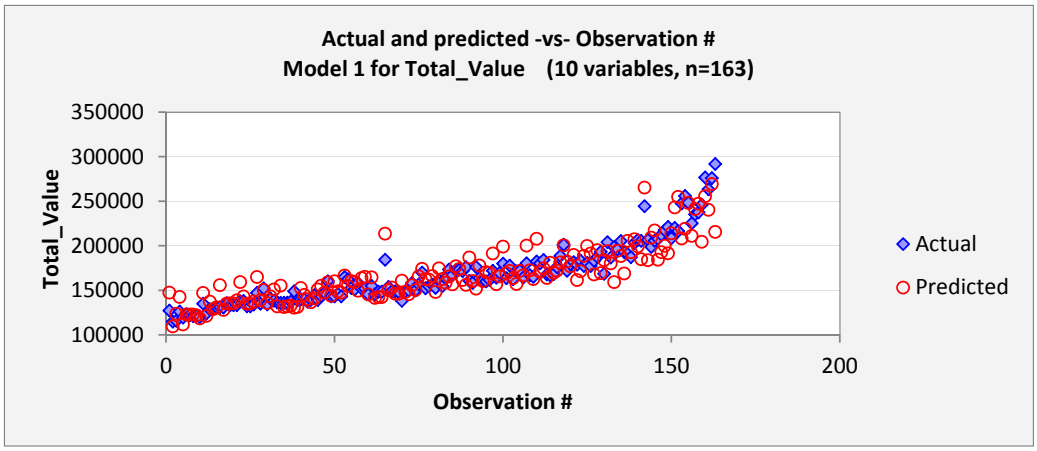
**Analysis of Variance: Model 1 for Total_Value (10 variables, n=163)**

**Residual Distribution Statistics: Model 1 for Total_Value (10 variables, n=163)**

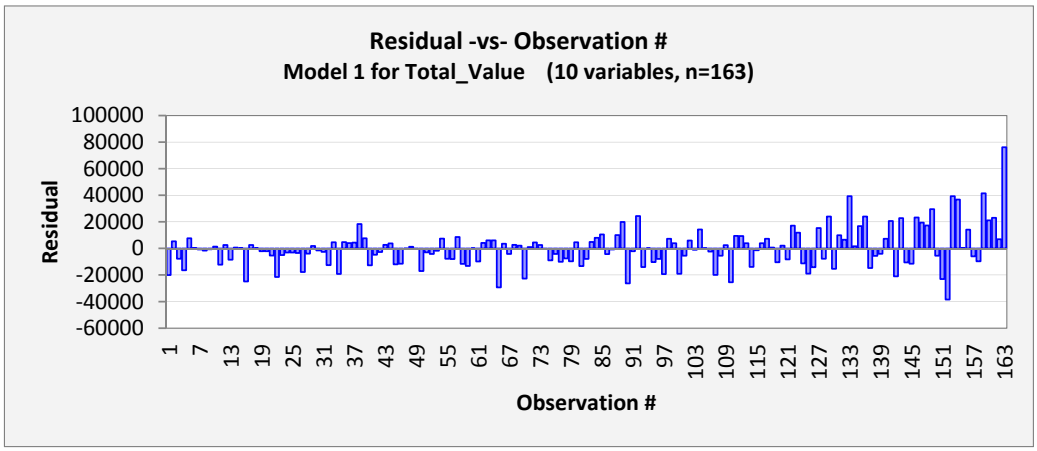
| #Res.>0 | #Res.<=0 | A-D* Stat. | P-value | MinStdRes | MaxStdRes |
|---|---|---|---|---|---|
| 78 | 85 | 2.107 | 0.000 | -2.529 | 5.018 |

See the residual histogram and normal quantile plot for more details of the error distribution.

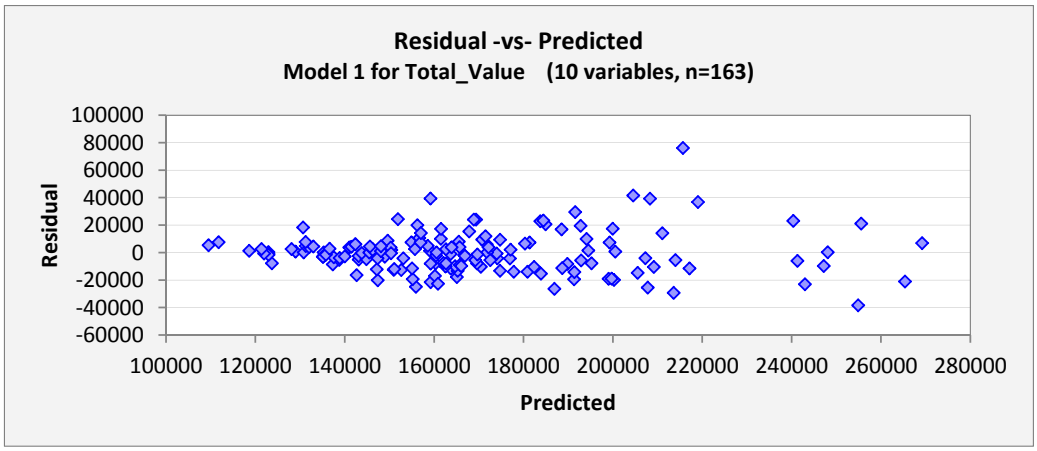
**Actual and predicted -vs- Observation #**



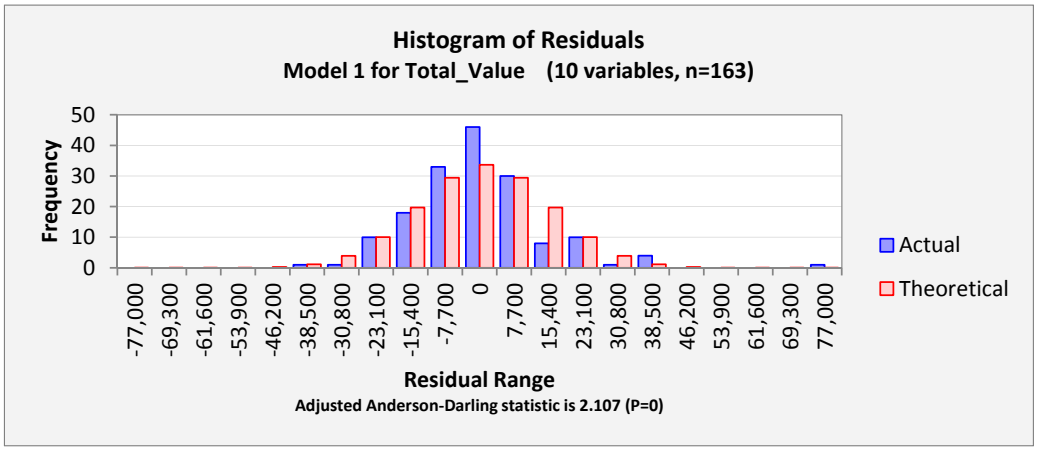

**Residual -vs- Observation #**



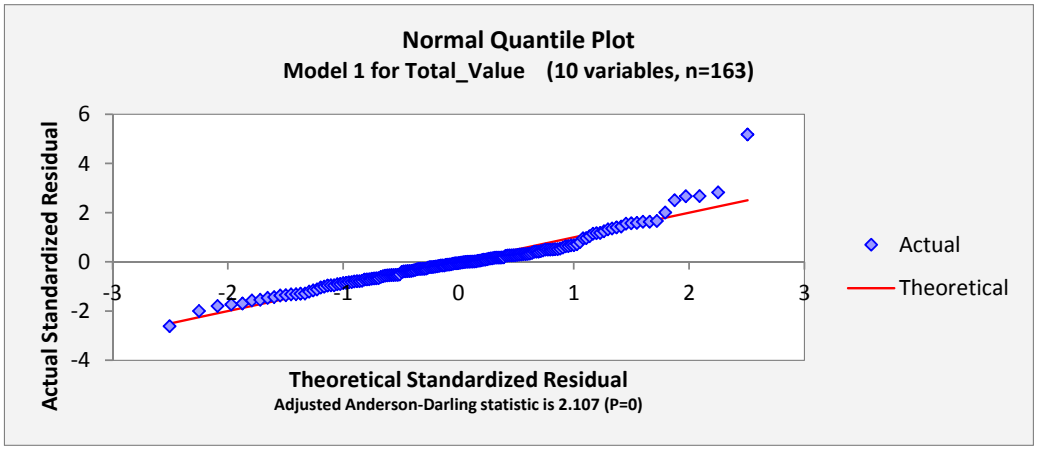
**Residual -vs- Predicted**




**Histogram of Residuals**




**Normal Quantile Plot**




**Correlation Matrix of Coefficient Estimates : Model 1 for Total_Value (10 variables, n=163)**

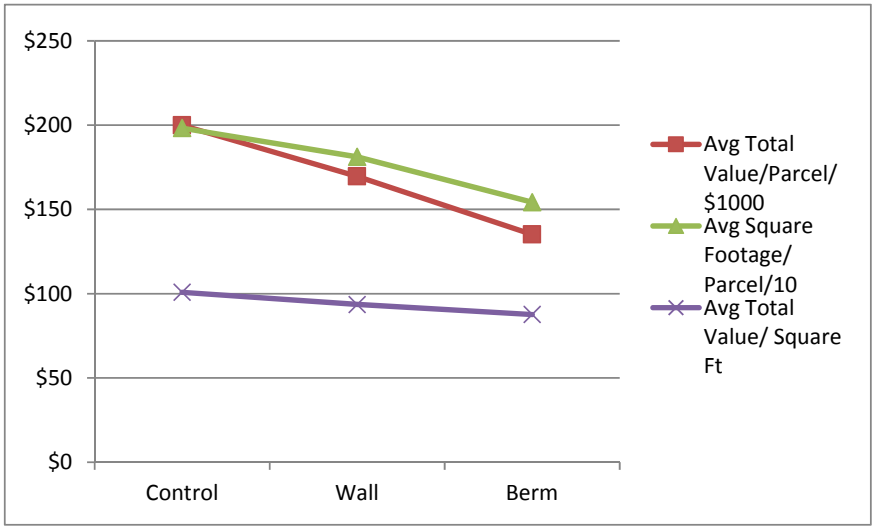
**Residual -vs- Independent Variable Plots. . .**

# Simple Analysis

## Study Area 4

| | Control | Wall | Berm |
|---|---|---|---|
| Total Parcels | 37 | 84 | 42 |
| Avg Total Value/Parcel | $199,846 | $169,569 | $135,155 |
| Avg Square Footage/ Parcel | 1,982 | 1,812 | 1,543 |
| Avg Total Value/Parcel/$1000 | $200 | $170 | $135 |
| Avg Square Footage/ Parcel/10 | 198 | 181 | 154 |
| Avg Total Value/ Square Ft | $100.82 | $93.59 | $87.62 |

| | | |
|---|---|---|
| Value Comp w/ Control | 0.85 | 0.68 |
| Sq Ft Comp w/ Control | 0.91 | 0.78 |
| Value/Sq Ft Comp w/ Control | 0.93 | 0.87 |
| | | |
| Value Comp w/ Wall | | 0.80 |
| Sq Ft Comp w/ Wall | | 0.85 |
| Value/Sq Ft Comp w/ Wall | | 0.94 |



*June 7, 2017 9:35 AM regressit Kim Model 1*

**Model:** Model 1
**Dependent Variable:** Total_Value

**Regression Statistics: Model 1 for Total_Value (9 variables, n=180)**

| R-Squared | Adj.R-Sqr. | Std.Err.Reg. | Std. Dev. | # Cases | # Missing | t(2.50%,170) | Conf. level |
|---|---|---|---|---|---|---|---|
| 0.746 | 0.733 | 11,110 | 21,501 | 180 | 0 | 1.974 | 95.0% |

**Coefficient Estimates: Model 1 for Total_Value (9 variables, n=180)**

| Variable | Coefficient | Std.Err. | t-Stat. | P-value | Lower95% | Upper95% | Std. Dev. | Std. Coeff. |
|---|---|---|---|---|---|---|---|---|
| Constant | 84,147 | 9,913 | 8.489 | 0.000 | 64,579 | 103,716 | | |
| Age_of_Home | -1,216 | 177.714 | -6.842 | 0.000 | -1,567 | -865.197 | 5.638 | -0.319 |
| Basement | 11,155 | 2,197 | 5.078 | 0.000 | 6,818 | 15,492 | 0.485 | 0.251 |
| Home_SF | 38.738 | 3.199 | 12.110 | 0.000 | 32.423 | 45.053 | 343.447 | 0.619 |
| House_Stories | -2,301 | 2,408 | -0.955 | 0.341 | -7,055 | 2,454 | 0.437 | -0.047 |
| Lot_Size_Acres | 6,235 | 6,794 | 0.918 | 0.360 | -7,176 | 19,647 | 0.147 | 0.043 |
| Noise_Berm | 7,866 | 2,610 | 3.014 | 0.003 | 2,714 | 13,018 | 0.413 | 0.151 |
| Total_Baths | 18,446 | 2,549 | 7.235 | 0.000 | 13,413 | 23,478 | 0.412 | 0.354 |
| Total_Bedrooms | -135.903 | 1,973 | -0.069 | 0.945 | -4,031 | 3,759 | 0.564 | -0.004 |
| Total_Rooms | 555.397 | 1,060 | 0.524 | 0.601 | -1,538 | 2,648 | 1.074 | 0.028 |

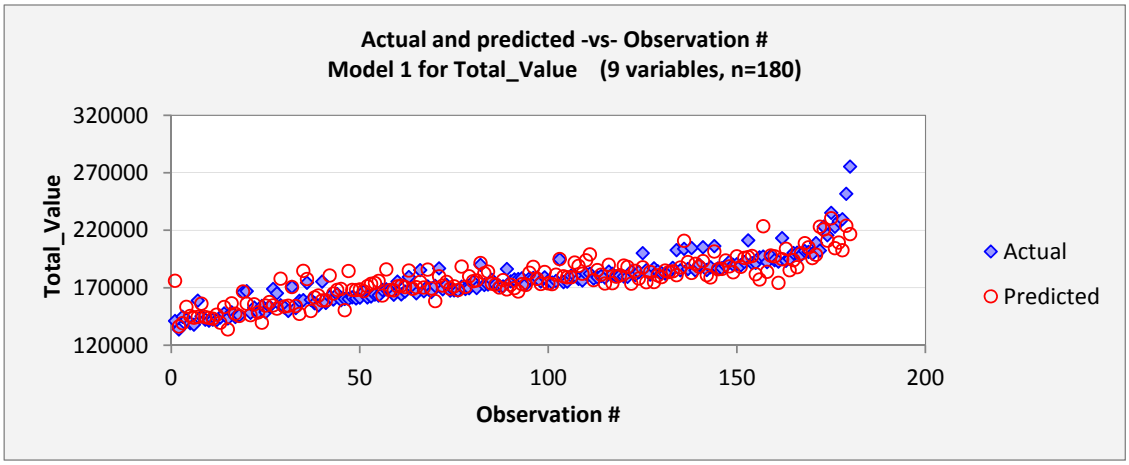
**Analysis of Variance: Model 1 for Total_Value (9 variables, n=180)**

**Residual Distribution Statistics: Model 1 for Total_Value (9 variables, n=180)**

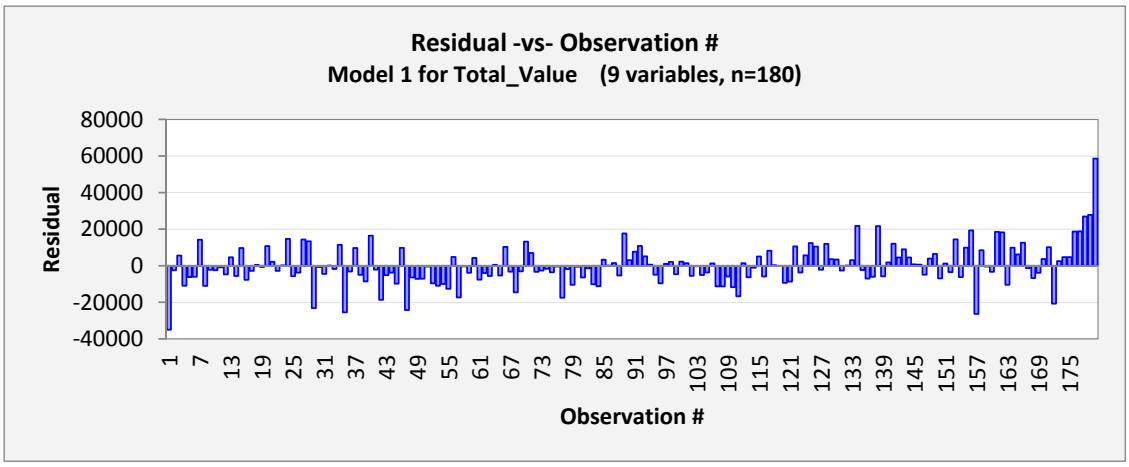
| #Res.>0 | #Res.<=0 | A-D* Stat. | P-value | MinStdRes | MaxStdRes |
|---|---|---|---|---|---|
| 80 | 100 | 2.197 | 0.000 | -3.146 | 5.282 |

See the residual histogram and normal quantile plot for more details of the error distribution.

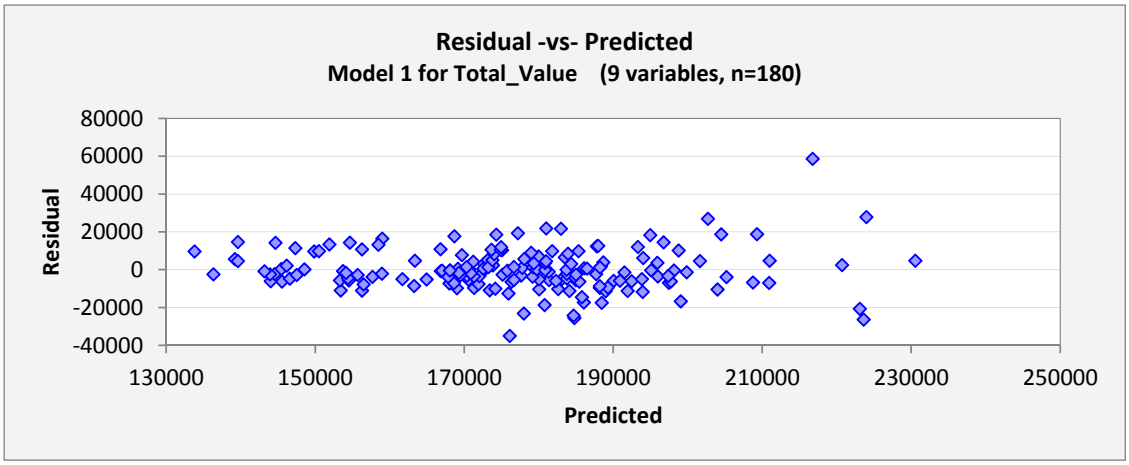
**Actual and predicted -vs- Observation #**



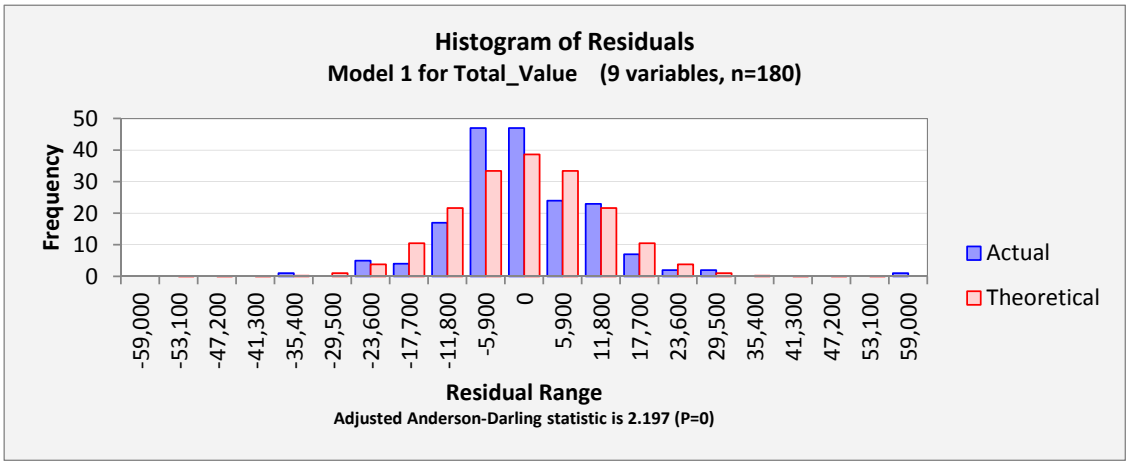

**Residual -vs- Observation #**



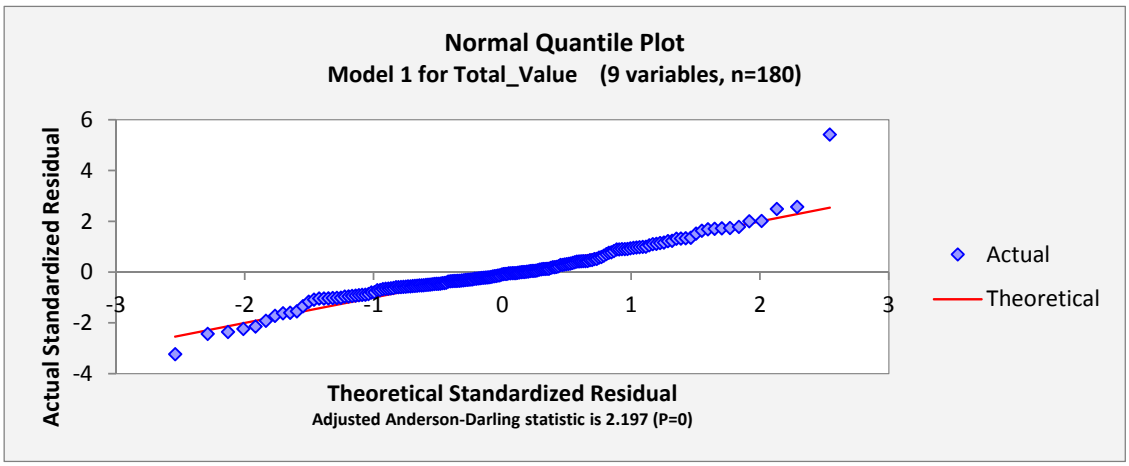
**Residual -vs- Predicted**




**Histogram of Residuals**




**Normal Quantile Plot**




**Correlation Matrix of Coefficient Estimates : Model 1 for Total_Value (9 variables, n=180)**

**Residual -vs- Independent Variable Plots. . .**

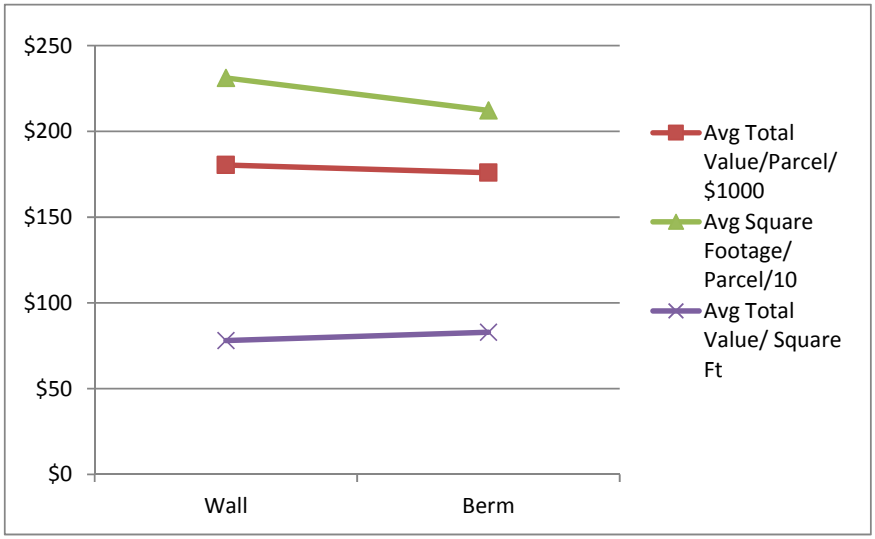
# Simple Analysis

## Study Area 5

| | Control | Wall | Berm |
|---|---|---|---|
| Total Parcels | N/A | 39 | 141 |
| Avg Total Value/Parcel | N/A | $180,379 | $175,908 |
| Avg Square Footage/ Parcel | N/A | 2,312 | 2,122 |
| Avg Total Value/Parcel/$1000 | N/A | $180 | $176 |
| Avg Square Footage/ Parcel/10 | N/A | 231 | 212 |
| Avg Total Value/ Square Ft | N/A | $78.03 | $82.90 |

| | | |
|---|---|---|
| Value Comp w/ Control | N/A | N/A |
| Sq Ft Comp w/ Control | N/A | N/A |
| Value/Sq Ft Comp w/ Control | N/A | N/A |

| | |
|---|---|
| Value Comp w/ Wall | 0.98 |
| Sq Ft Comp w/ Wall | 0.92 |
| Value/Sq Ft Comp w/ Wall | 1.06 |



**Model:** Model 1 *RunTime: June 7, 2017 9:40 AM*
**Dependent Variable:** Total_Value

**Regression Statistics: Model 1 for Total_Value (9 variables, n=64)**

| R-Squared | Adj.R-Sqr. | Std.Err.Reg. | Std. Dev. | # Cases | # Missing | t(2.50%,54) | Conf. level |
|---|---|---|---|---|---|---|---|
| 0.654 | 0.597 | 46,051 | 72,504 | 64 | 0 | 2.005 | 95.0% |

**Coefficient Estimates: Model 1 for Total_Value (9 variables, n=64)**

| Variable | Coefficient | Std.Err. | t-Stat. | P-value | Lower95% | Upper95% | Std. Dev. | Std. Coeff. |
|---|---|---|---|---|---|---|---|---|
| Constant | 144,349 | 71,428 | 2.021 | 0.048 | 1,145 | 287,553 | | |
| Age_of_Home | 139.383 | 759.147 | 0.184 | 0.855 | -1,383 | 1,661 | 10.180 | 0.020 |
| Basement | -130,891 | 57,679 | -2.269 | 0.027 | -246,531 | -15,251 | 0.125 | -0.226 |
| Home_SF | 73.811 | 14.703 | 5.020 | 0.000 | 44.332 | 103.289 | 563.708 | 0.574 |
| House_Stories | -20,832 | 23,463 | -0.888 | 0.379 | -67,872 | 26,208 | 0.294 | -0.084 |
| Lot_Size_Acres | 36,600 | 14,887 | 2.459 | 0.017 | 6,754 | 66,446 | 0.447 | 0.226 |
| Noise_Berm | -83.631 | 14,263 | -0.006 | 0.995 | -28,679 | 28,511 | 0.504 | -0.001 |
| Total_Baths | 31,596 | 9,721 | 3.250 | 0.002 | 12,106 | 51,086 | 0.700 | 0.305 |
| Total_Bedrooms | -10,224 | 17,456 | -0.586 | 0.561 | -45,222 | 24,774 | 0.488 | -0.069 |
| Total_Rooms | 10,281 | 7,624 | 1.348 | 0.183 | -5,004 | 25,567 | 1.123 | 0.159 |

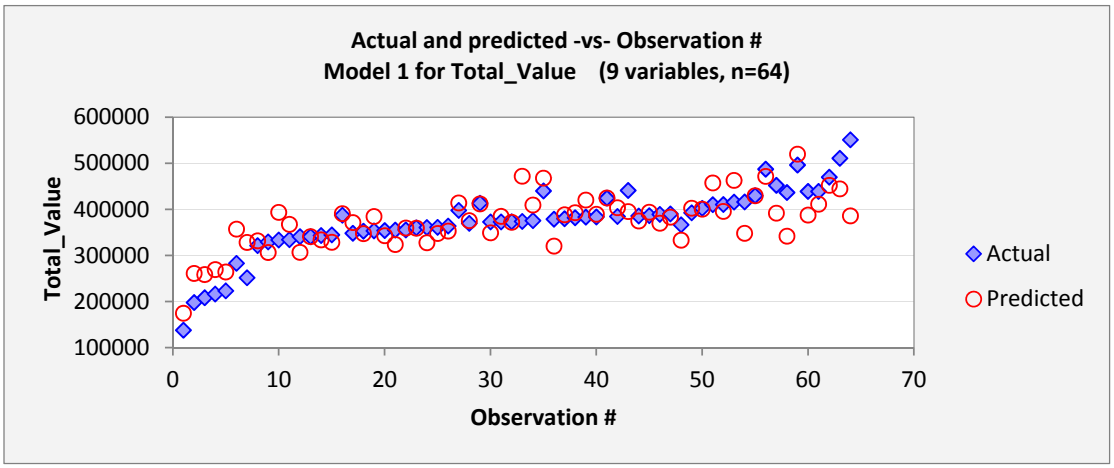
**Analysis of Variance: Model 1 for Total_Value (9 variables, n=64)**

**Residual Distribution Statistics: Model 1 for Total_Value (9 variables, n=64)**

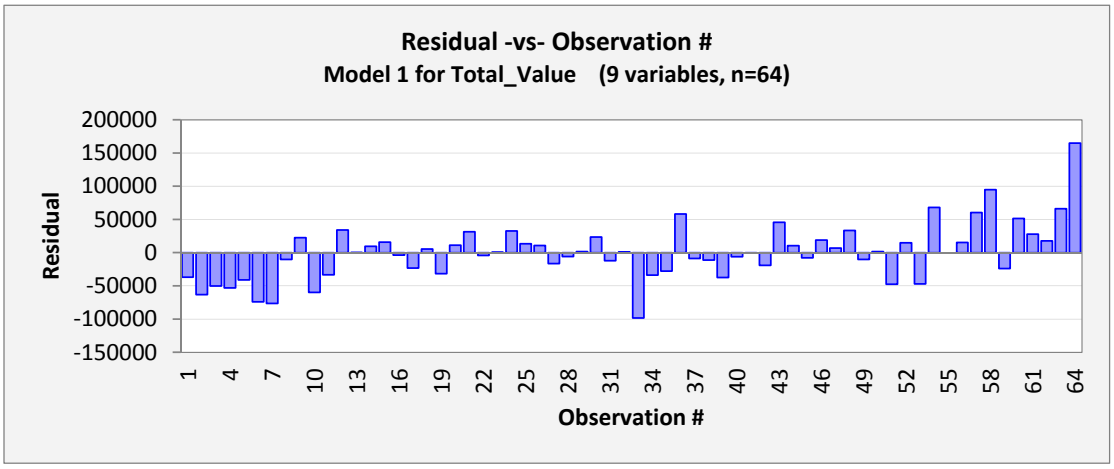
| #Res.>0 | #Res.<=0 | A-D* Stat. | P-value | MinStdRes | MaxStdRes |
|---|---|---|---|---|---|
| 32 | 32 | 0.635 | 0.098 | -2.134 | 3.581 |

See the residual histogram and normal quantile plot for more details of the error distribution.

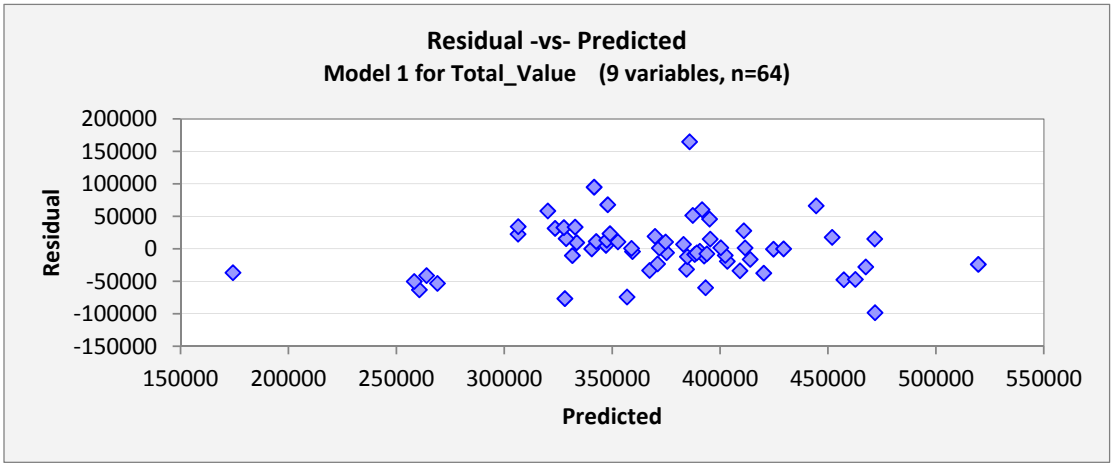
**Actual and predicted -vs- Observation #**



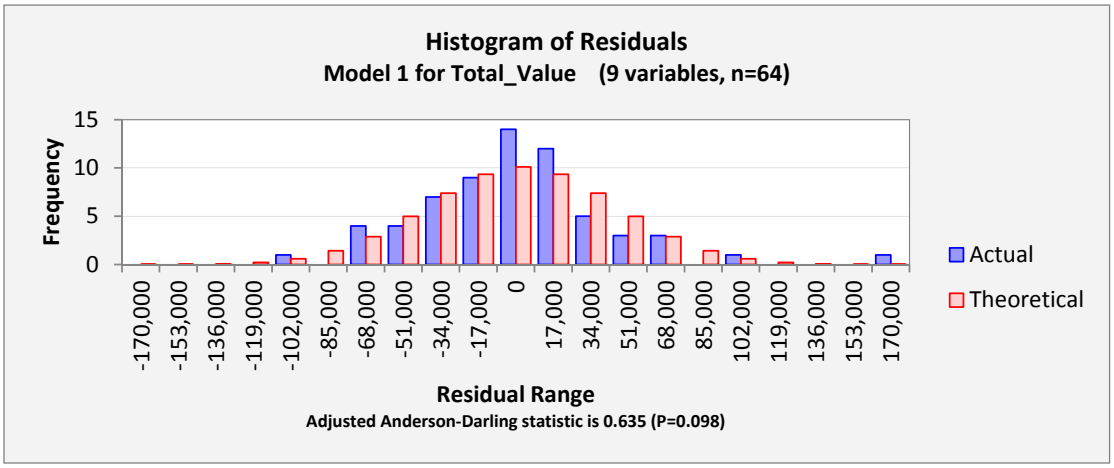

**Residual -vs- Observation #**



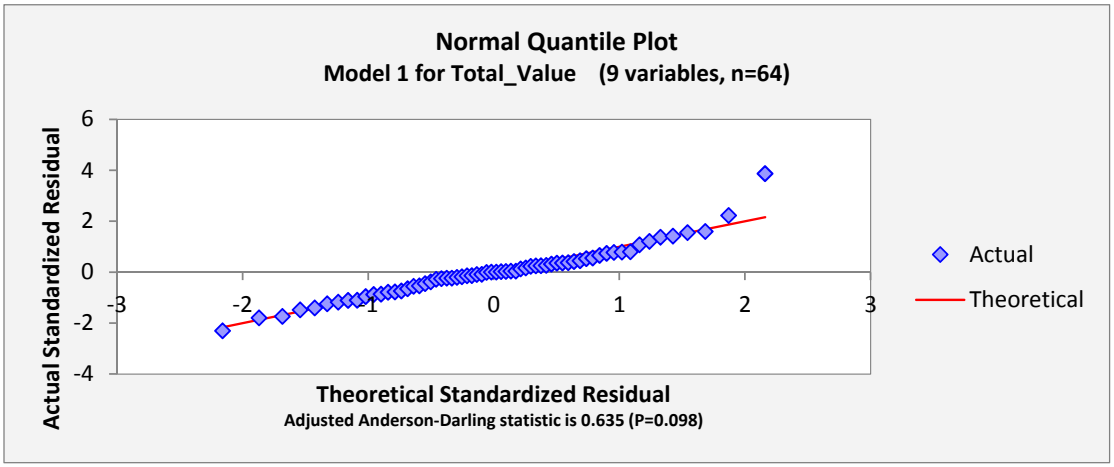
**Residual -vs- Predicted**




**Histogram of Residuals**




**Normal Quantile Plot**




**Correlation Matrix of Coefficient Estimates : Model 1 for Total_Value (9 variables, n=64)**

**Residual -vs- Independent Variable Plots. . .**

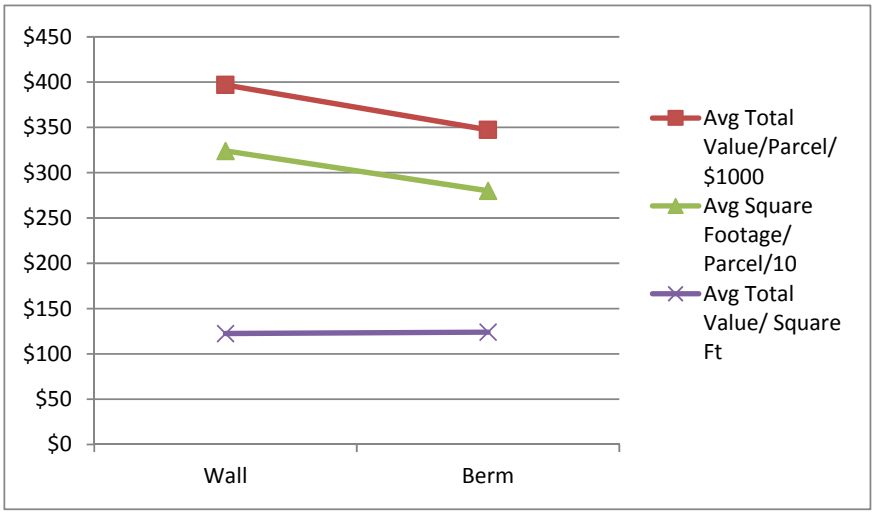
# Simple Analysis

## Study Area 6

| | Control | Wall | Berm |
|---|---|---|---|
| Total Parcels | N/A | 33 | 31 |
| Avg Total Value/Parcel | N/A | $396,946 | $347,354 |
| Avg Square Footage/ Parcel | N/A | 3,241 | 2,800 |
| Avg Total Value/Parcel/$1000 | N/A | $397 | $347 |
| Avg Square Footage/ Parcel/10 | N/A | 324 | 280 |
| Avg Total Value/ Square Ft | N/A | $122.46 | $124.03 |

| | | |
|---|---|---|
| Value Comp w/ Control | N/A | N/A |
| Sq Ft Comp w/ Control | N/A | N/A |
| Value/Sq Ft Comp w/ Control | N/A | N/A |

| | |
|---|---|
| Value Comp w/ Wall | 0.88 |
| Sq Ft Comp w/ Wall | 0.86 |
| Value/Sq Ft Comp w/ Wall | 1.01 |



# STATISTICAL SPREADSHEET MODEL

| PARCEL_ID | Total_Value | Lot_Size_Acres | Home_SF | Total_Rooms | Total_Bedrooms | Total_Baths | House_Stories | Basement | Garage | Age_of_Home | School_District_Rating | Neighborhood_Median_Income | Neighborhood_Percent_Vacant | Neighborhood_Unemployment_Rate | Neighborhood_Percent_Minority | Constructed_Noise_wall | Noise_Berm | Total Value/Sq Ft | Control | Wall | Berm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 204255 | 8600 | 0.173332 | 288 | 5 | 1 | 1 | 1 | 0 | 0 | 70 | 83.77360067 | 41932 | 16.8 | 15.8 | 15.3 | 0 | 1 | $29.86 | 0 | 0 | 1 |
| 213075 | 5300 | 0.100247 | 1376 | 8 | 3 | 2 | 2 | 1 | 0 | 123 | 83.77360067 | 24656 | 18.8 | 16.6 | 52.6 | 1 | 0 | $3.85 | 0 | 1 | 0 |
| 209787 | 8200 | 0.247191 | 1064 | 6 | 2 | 1 | 2 | 1 | 0 | 120 | 83.77360067 | 27721 | 6.1 | 17.9 | 28 | 0 | 0 | $7.71 | 1 | 0 | 0 |
| 246486 | 8500 | 0.147896 | 720 | 5 | 0 | 1 | 1 | 0 | 0 | 93 | 83.77360067 | 17238 | 45.9 | 17.1 | 79.6 | 1 | 0 | $11.81 | 0 | 1 | 0 |
| 227739 | 5500 | 0.060134 | 832 | 8 | 3 | 2 | 2 | 1 | 0 | 90 | 83.77360067 | 30900 | 13.4 | 25.3 | 26.7 | 0 | 0 | $6.61 | 1 | 0 | 0 |
| 223770 | 12000 | 0.300658 | 1212 | 7 | 3 | 1 | 2 | 1 | 1 | 116 | 83.77360067 | 27721 | 6.1 | 17.9 | 28 | 0 | 0 | $9.90 | 1 | 0 | 0 |
| 215214 | 9100 | 0.240646 | 1314 | 7 | 2 | 2 | 2 | 1 | 0 | 103 | 83.77360067 | 17238 | 45.9 | 17.1 | 79.6 | 1 | 0 | $6.93 | 0 | 1 | 0 |
| 203567 | 13500 | 0.222946 | 1518 | 8 | 3 | 2 | 2 | 1 | 0 | 176 | 83.77360067 | 24656 | 18.8 | 16.6 | 52.6 | 1 | 0 | $8.89 | 0 | 1 | 0 |
| 204372 | 8200 | 0.048119 | 912 | 6 | 2 | 1 | 2 | 1 | 0 | 116 | 83.77360067 | 24656 | 18.8 | 16.6 | 52.6 | 1 | 0 | $8.99 | 0 | 1 | 0 |
| 229845 | 8900 | 0.07216 | 969 | 6 | 2 | 1 | 2 | 1 | 0 | 99 | 83.77360067 | 30900 | 13.4 | 25.3 | 26.7 | 0 | 0 | $9.18 | 1 | 0 | 0 |
| 219535 | 11800 | 0.240647 | 680 | 6 | 2 | 1 | 1 | 1 | 1 | 109 | 83.77360067 | 17238 | 45.9 | 17.1 | 79.6 | 1 | 0 | $17.35 | 0 | 1 | 0 |
| 233848 | 9200 | 0.080178 | 864 | 6 | 2 | 1 | 2 | 1 | 0 | 94 | 83.77360067 | 30900 | 13.4 | 25.3 | 26.7 | 0 | 0 | $10.65 | 1 | 0 | 0 |
| 236020 | 11300 | 0.112266 | 880 | 6 | 2 | 1 | 2 | 1 | 0 | 92 | 83.77360067 | 41932 | 16.8 | 15.8 | 15.3 | 0 | 1 | $12.84 | 0 | 0 | 1 |
| 206975 | 9500 | 0.10591 | 1018 | 7 | 3 | 1 | 1.5 | 1 | 0 | 108 | 83.77360067 | 17238 | 45.9 | 17.1 | 79.6 | 1 | 0 | $9.33 | 0 | 1 | 0 |
| 202821 | 10100 | 0.088194 | 1088 | 7 | 3 | 1 | 2 | 1 | 0 | 96 | 83.77360067 | 27721 | 6.1 | 17.9 | 28 | 0 | 0 | $9.28 | 1 | 0 | 0 |
| 222147 | 11500 | 0.101523 | 676 | 5 | 1 | 1 | 1 | 1 | 0 | 103 | 83.77360067 | 41932 | 16.8 | 15.8 | 15.3 | 0 | 1 | $17.01 | 0 | 0 | 1 |
| 205356 | 10500 | 0.113101 | 748 | 7 | 3 | 1 | 1 | 1 | 0 | 98 | 83.77360067 | 17238 | 45.9 | 17.1 | 79.6 | 1 | 0 | $14.04 | 0 | 1 | 0 |
| 207690 | 10600 | 0.081325 | 1056 | 7 | 3 | 1 | 2 | 1 | 0 | 108 | 83.77360067 | 24656 | 18.8 | 16.6 | 52.6 | 1 | 0 | $10.04 | 0 | 1 | 0 |
| 223601 | 14500 | 0.2265 | 1778 | 9 | 3 | 3 | 2 | 1 | 0 | 114 | 83.77360067 | 30900 | 13.4 | 25.3 | 26.7 | 0 | 0 | $8.16 | 1 | 0 | 0 |
| 230695 | 13100 | 0.167212 | 1144 | 7 | 3 | 1 | 2 | 1 | 0 | 106 | 83.77360067 | 24656 | 18.8 | 16.6 | 52.6 | 1 | 0 | $11.45 | 0 | 1 | 0 |
| 223456 | 10700 | 0.111897 | 1292 | 7 | 2 | 2 | 2 | 1 | 0 | 106 | 83.77360067 | 17238 | 45.9 | 17.1 | 79.6 | 1 | 0 | $8.28 | 0 | 1 | 0 |
| 202892 | 13700 | 0.160394 | 936 | 7 | 3 | 1 | 1.5 | 1 | 1 | 125 | 83.77360067 | 24656 | 18.8 | 16.6 | 52.6 | 1 | 0 | $14.64 | 0 | 1 | 0 |
| 217827 | 9300 | 0.055147 | 1230 | 8 | 3 | 2 | 2 | 1 | 0 | 103 | 83.77360067 | 17238 | 45.9 | 17.1 | 79.6 | 1 | 0 | $7.56 | 0 | 1 | 0 |
| 230203 | 12300 | 0.197472 | 1400 | 7 | 3 | 1 | 2 | 1 | 0 | 121 | 83.77360067 | 17238 | 45.9 | 17.1 | 79.6 | 1 | 0 | $8.79 | 0 | 1 | 0 |
| 232955 | 10500 | 0.070157 | 1102 | 7 | 3 | 1 | 2 | 1 | 0 | 94 | 83.77360067 | 30900 | 13.4 | 25.3 | 26.7 | 0 | 0 | $9.53 | 1 | 0 | 0 |
| 215741 | 16400 | 0.328828 | 1279 | 6 | 2 | 1 | 2 | 1 | 1 | 116 | 83.77360067 | 30900 | 13.4 | 25.3 | 26.7 | 0 | 0 | $12.82 | 1 | 0 | 0 |
| 202622 | 10900 | 0.111814 | 1508 | 8 | 3 | 2 | 2 | 1 | 0 | 116 | 83.77360067 | 17238 | 45.9 | 17.1 | 79.6 | 1 | 0 | $7.23 | 0 | 1 | 0 |
| 238648 | 11900 | 0.148501 | 1248 | 7 | 3 | 1 | 2 | 1 | 0 | 97 | 83.77360067 | 17238 | 45.9 | 17.1 | 79.6 | 1 | 0 | $9.54 | 0 | 1 | 0 |
| 223972 | 10800 | 0.093371 | 1234 | 8 | 3 | 1.5 | 2 | 1 | 0 | 116 | 83.77360067 | 17238 | 45.9 | 17.1 | 79.6 | 1 | 0 | $8.75 | 0 | 1 | 0 |
| 235461 | 20100 | 0.240647 | 1780 | 9 | 4 | 2 | 2 | 1 | 0 | 108 | 83.77360067 | 17238 | 45.9 | 17.1 | 79.6 | 1 | 0 | $11.29 | 0 | 1 | 0 |
| 218352 | 13000 | 0.119211 | 1432 | 8 | 4 | 1 | 2 | 1 | 0 | 131 | 83.77360067 | 30900 | 13.4 | 25.3 | 26.7 | 0 | 0 | $9.08 | 1 | 0 | 0 |
| 239216 | 11600 | 0.080176 | 390 | 5 | 1 | 1 | 1 | 1 | 0 | 116 | 83.77360067 | 30900 | 13.4 | 25.3 | 26.7 | 0 | 0 | $29.74 | 1 | 0 | 0 |
| 214883 | 12700 | 0.133613 | 1200 | 8 | 3 | 1.5 | 2 | 1 | 0 | 96 | 83.77360067 | 30900 | 13.4 | 25.3 | 26.7 | 0 | 0 | $10.58 | 1 | 0 | 0 |
| 222428 | 10900 | 0.08681 | 1456 | 9 | 3 | 3 | 2 | 1 | 0 | 108 | 83.77360067 | 17238 | 45.9 | 17.1 | 79.6 | 1 | 0 | $7.49 | 0 | 1 | 0 |
| 233320 | 16100 | 0.22453 | 768 | 6 | 2 | 1 | 1 | 1 | 1 | 65 | 83.77360067 | 41932 | 16.8 | 15.8 | 15.3 | 0 | 1 | $20.96 | 0 | 0 | 1 |
| 215394 | 12800 | 0.122669 | 1208 | 7 | 3 | 1 | 2 | 1 | 0 | 91 | 83.77360067 | 30900 | 13.4 | 25.3 | 26.7 | 0 | 0 | $10.60 | 1 | 0 | 0 |
| 229874 | 12400 | 0.165084 | 1599 | 9 | 4 | 2 | 2 | 1 | 0 | 116 | 83.77360067 | 17238 | 45.9 | 17.1 | 79.6 | 1 | 0 | $7.75 | 0 | 1 | 0 |
| 205540 | 13700 | 0.204409 | 1472 | 8 | 3 | 1.5 | 2 | 1 | 0 | 115 | 83.77360067 | 17238 | 45.9 | 17.1 | 79.6 | 1 | 0 | $9.31 | 0 | 1 | 0 |
| 203359 | 13800 | 0.193928 | 1404 | 7 | 2 | 1.5 | 2 | 1 | 1 | 116 | 83.77360067 | 17238 | 45.9 | 17.1 | 79.6 | 1 | 0 | $9.83 | 0 | 1 | 0 |
| 220169 | 15800 | 0.200443 | 1428 | 8 | 4 | 1 | 2 | 1 | 0 | 106 | 83.77360067 | 30900 | 13.4 | 25.3 | 26.7 | 0 | 0 | $11.06 | 1 | 0 | 0 |
| 221668 | 14900 | 0.160355 | 1251 | 7 | 2 | 1.5 | 2 | 1 | 1 | 136 | 83.77360067 | 30900 | 13.4 | 25.3 | 26.7 | 0 | 0 | $11.91 | 1 | 0 | 0 |
| 209923 | 11700 | 0.086634 | 1442 | 7 | 3 | 1 | 2 | 1 | 0 | 97 | 83.77360067 | 17238 | 45.9 | 17.1 | 79.6 | 1 | 0 | $8.11 | 0 | 1 | 0 |
| 237478 | 12900 | 0.165843 | 1644 | 7 | 2 | 2 | 2 | 1 | 0 | 116 | 83.77360067 | 17238 | 45.9 | 17.1 | 79.6 | 1 | 0 | $7.85 | 0 | 1 | 0 |
| 200575 | 14900 | 0.240642 | 1816 | 7 | 2 | 2 | 2 | 1 | 0 | 112 | 83.77360067 | 17238 | 45.9 | 17.1 | 79.6 | 1 | 0 | $8.20 | 0 | 1 | 0 |
| 209378 | 12900 | 0.120322 | 1440 | 7 | 3 | 1 | 2 | 1 | 0 | 102 | 83.77360067 | 17238 | 45.9 | 17.1 | 79.6 | 1 | 0 | $8.96 | 0 | 1 | 0 |
| 208016 | 13200 | 0.098137 | 1464 | 10 | 5 | 1.5 | 2 | 1 | 0 | 100 | 83.77360067 | 30900 | 13.4 | 25.3 | 26.7 | 0 | 0 | $9.02 | 1 | 0 | 0 |
| 238759 | 14400 | 0.197038 | 1482 | 9 | 4 | 1.5 | 2 | 1 | 0 | 116 | 83.77360067 | 30900 | 13.4 | 25.3 | 26.7 | 0 | 0 | $9.72 | 1 | 0 | 0 |
| 215573 | 18500 | 0.324444 | 984 | 6 | 2 | 1 | 2 | 1 | 0 | 131 | 83.77360067 | 30900 | 13.4 | 25.3 | 26.7 | 0 | 0 | $18.80 | 1 | 0 | 0 |
| 214703 | 16100 | 0.300808 | 1560 | 8 | 3 | 1.5 | 2 | 1 | 0 | 111 | 83.77360067 | 17238 | 45.9 | 17.1 | 79.6 | 1 | 0 | $10.32 | 0 | 1 | 0 |
| 219109 | 17500 | 0.222956 | 1512 | 7 | 3 | 1 | 2 | 1 | 1 | 108 | 83.77360067 | 24656 | 18.8 | 16.6 | 52.6 | 1 | 0 | $11.57 | 0 | 1 | 0 |
| 237631 | 17000 | 0.163126 | 846 | 7 | 3 | 1 | 1.5 | 1 | 1 | 136 | 83.77360067 | 41932 | 16.8 | 15.8 | 15.3 | 0 | 1 | $20.09 | 0 | 0 | 1 |
| 225061 | 15900 | 0.280868 | 1730 | 8 | 3 | 2 | 2 | 1 | 0 | 102 | 83.77360067 | 17238 | 45.9 | 17.1 | 79.6 | 1 | 0 | $9.19 | 0 | 1 | 0 |
| 216404 | 17700 | 0.240533 | 1169 | 6 | 2 | 1 | 2 | 1 | 0 | 97 | 83.77360067 | 30900 | 13.4 | 25.3 | 26.7 | 0 | 0 | $15.14 | 1 | 0 | 0 |
| 203149 | 13400 | 0.11687 | 774 | 6 | 2 | 1 | 1.5 | 1 | 0 | 106 | 83.77360067 | 17238 | 45.9 | 17.1 | 79.6 | 1 | 0 | $17.31 | 0 | 1 | 0 |
| 231623 | 16400 | 0.092202 | 1152 | 8 | 4 | 1 | 2 | 1 | 0 | 98 | 83.77360067 | 30900 | 13.4 | 25.3 | 26.7 | 0 | 0 | $14.24 | 1 | 0 | 0 |
| 214849 | 15100 | 0.153657 | 1428 | 7 | 3 | 1 | 2 | 1 | 0 | 105 | 83.77360067 | 30900 | 13.4 | 25.3 | 26.7 | 0 | 0 | $10.57 | 1 | 0 | 0 |
| 238992 | 14900 | 0.189938 | 1478 | 7 | 2 | 2 | 1.5 | 1 | 0 | 112 | 83.77360067 | 17238 | 45.9 | 17.1 | 79.6 | 1 | 0 | $10.08 | 0 | 1 | 0 |
| 237355 | 12000 | 0.052413 | 864 | 6 | 2 | 1 | 2 | 1 | 0 | 101 | 83.77360067 | 17238 | 45.9 | 17.1 | 79.6 | 1 | 0 | $13.89 | 0 | 1 | 0 |
| 230615 | 16000 | 0.134729 | 1352 | 8 | 3 | 2 | 2 | 1 | 0 | 112 | 83.77360067 | 24656 | 18.8 | 16.6 | 52.6 | 1 | 0 | $11.83 | 0 | 1 | 0 |
| 238641 | 13700 | 0.11356 | 936 | 6 | 2 | 1 | 1.5 | 1 | 0 | 110 | 83.77360067 | 17238 | 45.9 | 17.1 | 79.6 | 1 | 0 | $14.64 | 0 | 1 | 0 |
| 205705 | 18300 | 0.240594 | 1664 | 7 | 3 | 1 | 2 | 1 | 0 | 116 | 83.77360067 | 24656 | 18.8 | 16.6 | 52.6 | 1 | 0 | $11.00 | 0 | 1 | 0 |
| 224464 | 24200 | 0.222954 | 1584 | 8 | 3 | 2 | 2 | 1 | 0 | 130 | 83.77360067 | 24656 | 18.8 | 16.6 | 52.6 | 1 | 0 | $15.28 | 0 | 1 | 0 |
| 226158 | 16000 | 0.128308 | 1192 | 7 | 2 | 1.5 | 2 | 1 | 0 | 90 | 83.77360067 | 24656 | 18.8 | 16.6 | 52.6 | 0 | 1 | $13.42 | 0 | 0 | 1 |
| 219563 | 16500 | 0.167211 | 1280 | 7 | 3 | 1 | 2 | 1 | 0 | 111 | 83.77360067 | 24656 | 18.8 | 16.6 | 52.6 | 1 | 0 | $12.89 | 0 | 1 | 0 |
| 218797 | 21300 | 0.280877 | 1680 | 3 | 0 | 0 | 1 | 0 | 0 | 43 | 83.77360067 | 17238 | 45.9 | 17.1 | 79.6 | 1 | 0 | $12.68 | 0 | 1 | 0 |
| 215630 | 13700 | 0.070156 | 812 | 6 | 2 | 1 | 1.5 | 1 | 0 | 99 | 83.77360067 | 30900 | 13.4 | 25.3 | 26.7 | 0 | 0 | $16.87 | 1 | 0 | 0 |
| 214900 | 14700 | 0.153709 | 1802 | 7 | 3 | 1 | 2 | 1 | 0 | 114 | 83.77360067 | 17238 | 45.9 | 17.1 | 79.6 | 1 | 0 | $8.16 | 0 | 1 | 0 |
| 220661 | 18700 | 0.224541 | 906 | 7 | 3 | 1 | 1.5 | 1 | 0 | 110 | 83.77360067 | 24656 | 18.8 | 16.6 | 52.6 | 0 | 1 | $20.64 | 0 | 0 | 1 |
| 237186 | 17800 | 0.159573 | 1148 | 7 | 3 | 1 | 2 | 1 | 1 | 112 | 83.77360067 | 41932 | 16.8 | 15.8 | 15.3 | 0 | 1 | $15.51 | 0 | 0 | 1 |
| 215132 | 14700 | 0.080195 | 938 | 6 | 2 | 1 | 2 | 1 | 0 | 105 | 83.77360067 | 24656 | 18.8 | 16.6 | 52.6 | 1 | 0 | $15.67 | 0 | 1 | 0 |
| 226460 | 15000 | 0.133694 | 1095 | 6 | 2 | 1 | 2 | 1 | 0 | 116 | 83.77360067 | 24656 | 18.8 | 16.6 | 52.6 | 1 | 0 | $13.70 | 0 | 1 | 0 |
| 228244 | 17300 | 0.147649 | 1214 | 7 | 3 | 1 | 2 | 1 | 1 | 99 | 83.77360067 | 41932 | 16.8 | 15.8 | 15.3 | 0 | 1 | $14.25 | 0 | 0 | 1 |
| 230611 | 17800 | 0.172422 | 901 | 7 | 3 | 1 | 1.5 | 1 | 0 | 128 | 83.77360067 | 24656 | 18.8 | 16.6 | 52.6 | 1 | 0 | $19.76 | 0 | 1 | 0 |
| 217725 | 17200 | 0.151562 | 904 | 6 | 2 | 1 | 1.5 | 1 | 1 | 96 | 83.77360067 | 41932 | 16.8 | 15.8 | 15.3 | 0 | 1 | $19.03 | 0 | 0 | 1 |
| 235814 | 19800 | 0.181835 | 1344 | 7 | 3 | 1 | 2 | 1 | 0 | 107 | 83.77360067 | 41932 | 16.8 | 15.8 | 15.3 | 0 | 1 | $14.73 | 0 | 0 | 1 |
| 223696 | 15000 | 0.088194 | 672 | 6 | 2 | 1 | 1 | 1 | 0 | 65 | 83.77360067 | 30900 | 13.4 | 25.3 | 26.7 | 0 | 0 | $22.32 | 1 | 0 | 0 |

# STATISTICAL SPREADSHEET MODEL

| PARCEL_ID | Total_Value | Lot_Size_Acres | Home_SF | Total_Rooms | Total_Bedrooms | Total_Baths | House_Stories | Basement | Garage | Age_of_Home | School_District_Rating | Neighborhood_Median_Income | Neighborhood_Percent_Vacant | Neighborhood_Unemployment_Rate | Neighborhood_Percent_Minority | Constructed_Noise_wall | Noise_Berm | Total Value/Sq Ft | Control | Wall | Berm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 233556 | 14300 | 0.070156 | 852 | 6 | 2 | 1 | 1.5 | 1 | 0 | 99 | 83.77360067 | 30900 | 13.4 | 25.3 | 26.7 | 0 | 0 | $16.78 | 1 | 0 | 0 |
| 225090 | 15300 | 0.141515 | 2016 | 9 | 4 | 2 | 2 | 1 | 1 | 106 | 83.77360067 | 17238 | 45.9 | 17.1 | 79.6 | 1 | 0 | $7.59 | 0 | 1 | 0 |
| 235327 | 16100 | 0.133614 | 1196 | 7 | 3 | 1 | 2 | 1 | 0 | 100 | 83.77360067 | 30900 | 13.4 | 25.3 | 26.7 | 0 | 0 | $13.46 | 1 | 0 | 0 |
| 215281 | 18500 | 0.24053 | 1036 | 6 | 2 | 1 | 2 | 1 | 0 | 116 | 83.77360067 | 30900 | 13.4 | 25.3 | 26.7 | 0 | 0 | $17.86 | 1 | 0 | 0 |
| 225020 | 16900 | 0.112951 | 1078 | 7 | 3 | 1 | 1.75 | 1 | 0 | 101 | 83.77360067 | 41932 | 16.8 | 15.8 | 15.3 | 0 | 1 | $15.68 | 0 | 0 | 1 |
| 201847 | 18000 | 0.180401 | 1304 | 7 | 3 | 1 | 2 | 1 | 0 | 91 | 83.77360067 | 30900 | 13.4 | 25.3 | 26.7 | 0 | 0 | $13.80 | 1 | 0 | 0 |
| 217606 | 17600 | 0.140073 | 1346 | 7 | 3 | 1 | 2 | 1 | 0 | 110 | 83.77360067 | 41932 | 16.8 | 15.8 | 15.3 | 0 | 1 | $13.08 | 0 | 0 | 1 |
| 232384 | 15800 | 0.080195 | 960 | 6 | 2 | 1 | 2 | 1 | 0 | 106 | 83.77360067 | 24656 | 18.8 | 16.6 | 52.6 | 1 | 0 | $16.46 | 0 | 1 | 0 |
| 207795 | 18200 | 0.168409 | 1854 | 8 | 3 | 2 | 2 | 1 | 1 | 103 | 83.77360067 | 24656 | 18.8 | 16.6 | 52.6 | 1 | 0 | $9.82 | 0 | 1 | 0 |
| 222852 | 15000 | 0.101072 | 984 | 6 | 2 | 1 | 2 | 1 | 0 | 91 | 83.77360067 | 17238 | 45.9 | 17.1 | 79.6 | 1 | 0 | $15.24 | 0 | 1 | 0 |
| 246135 | 15400 | 0.070174 | 2240 | 9 | 4 | 2 | 2 | 1 | 0 | 116 | 83.77360067 | 24656 | 18.8 | 16.6 | 52.6 | 1 | 0 | $6.88 | 0 | 1 | 0 |
| 232587 | 18000 | 0.167212 | 1007 | 6 | 2 | 1 | 2 | 1 | 0 | 111 | 83.77360067 | 24656 | 18.8 | 16.6 | 52.6 | 1 | 0 | $17.87 | 0 | 1 | 0 |
| 203576 | 15700 | 0.121928 | 1020 | 6 | 2 | 1 | 2 | 1 | 1 | 90 | 83.77360067 | 17238 | 45.9 | 17.1 | 79.6 | 1 | 0 | $15.39 | 0 | 1 | 0 |
| 219423 | 20000 | 0.224563 | 2168 | 10 | 5 | 2 | 2 | 1 | 0 | 130 | 83.77360067 | 24656 | 18.8 | 16.6 | 52.6 | 1 | 0 | $9.23 | 0 | 1 | 0 |
| 222666 | 19000 | 0.200439 | 888 | 6 | 2 | 1 | 1.5 | 1 | 0 | 102 | 83.77360067 | 30900 | 13.4 | 25.3 | 26.7 | 0 | 0 | $21.40 | 1 | 0 | 0 |
| 245915 | 17400 | 0.135749 | 1156 | 6 | 2 | 1 | 2 | 1 | 0 | 121 | 83.77360067 | 30900 | 13.4 | 25.3 | 26.7 | 0 | 0 | $15.05 | 1 | 0 | 0 |
| 235610 | 21400 | 0.340755 | 1192 | 8 | 3 | 1.5 | 2 | 1 | 0 | 129 | 83.77360067 | 30900 | 13.4 | 25.3 | 26.7 | 0 | 0 | $17.95 | 1 | 0 | 0 |
| 205700 | 19000 | 0.176437 | 2240 | 8 | 3 | 2 | 2 | 1 | 0 | 112 | 83.77360067 | 24656 | 18.8 | 16.6 | 52.6 | 1 | 0 | $8.48 | 0 | 1 | 0 |
| 200088 | 19100 | 0.200439 | 858 | 7 | 3 | 1 | 1.5 | 1 | 0 | 100 | 83.77360067 | 30900 | 13.4 | 25.3 | 26.7 | 0 | 0 | $22.26 | 1 | 0 | 0 |
| 200303 | 16500 | 0.113585 | 1232 | 7 | 3 | 1 | 2 | 1 | 0 | 116 | 83.77360067 | 30900 | 13.4 | 25.3 | 26.7 | 0 | 0 | $13.39 | 1 | 0 | 0 |
| 207468 | 14900 | 0.076218 | 1048 | 6 | 2 | 1 | 2 | 1 | 0 | 90 | 83.77360067 | 27721 | 6.1 | 17.9 | 28 | 0 | 0 | $14.22 | 1 | 0 | 0 |
| 214843 | 15400 | 0.108321 | 1232 | 7 | 3 | 1 | 2 | 1 | 0 | 111 | 83.77360067 | 17238 | 45.9 | 17.1 | 79.6 | 1 | 0 | $12.50 | 0 | 1 | 0 |
| 220490 | 20200 | 0.224562 | 1618 | 7 | 2 | 2 | 2 | 1 | 0 | 121 | 83.77360067 | 24656 | 18.8 | 16.6 | 52.6 | 1 | 0 | $12.48 | 0 | 1 | 0 |
| 217499 | 15200 | 0.112265 | 672 | 6 | 2 | 1 | 1 | 1 | 1 | 104 | 83.77360067 | 41932 | 16.8 | 15.8 | 15.3 | 0 | 1 | $22.62 | 0 | 0 | 1 |
| 236618 | 16400 | 0.098219 | 1148 | 6 | 2 | 1 | 2 | 1 | 0 | 121 | 83.77360067 | 30900 | 13.4 | 25.3 | 26.7 | 0 | 0 | $14.29 | 1 | 0 | 0 |
| 226647 | 21800 | 0.370814 | 1152 | 6 | 2 | 1 | 2 | 1 | 0 | 120 | 83.77360067 | 27721 | 6.1 | 17.9 | 28 | 0 | 0 | $18.92 | 1 | 0 | 0 |
| 217003 | 20000 | 0.166529 | 1054 | 7 | 3 | 1 | 2 | 1 | 0 | 109 | 83.77360067 | 41932 | 16.8 | 15.8 | 15.3 | 0 | 1 | $18.98 | 0 | 0 | 1 |
| 219938 | 16800 | 0.108237 | 1152 | 7 | 3 | 1 | 2 | 1 | 0 | 100 | 83.77360067 | 30900 | 13.4 | 25.3 | 26.7 | 0 | 0 | $14.58 | 1 | 0 | 0 |
| 210955 | 18800 | 0.247185 | 1190 | 6 | 2 | 1 | 2 | 1 | 0 | 123 | 83.77360067 | 30900 | 13.4 | 25.3 | 26.7 | 0 | 0 | $15.80 | 1 | 0 | 0 |
| 223502 | 16200 | 0.122329 | 1110 | 6 | 2 | 1 | 2 | 1 | 0 | 89 | 83.77360067 | 17238 | 45.9 | 17.1 | 79.6 | 1 | 0 | $14.59 | 0 | 1 | 0 |
| 220813 | 20400 | 0.208246 | 1064 | 7 | 3 | 1 | 2 | 1 | 0 | 106 | 83.77360067 | 24656 | 18.8 | 16.6 | 52.6 | 0 | 1 | $19.17 | 0 | 0 | 1 |
| 230636 | 20500 | 0.222928 | 816 | 7 | 2 | 2 | 1.5 | 1 | 1 | 103 | 83.77360067 | 41932 | 16.8 | 15.8 | 15.3 | 0 | 1 | $25.12 | 0 | 0 | 1 |
| 228053 | 17600 | 0.138294 | 1060 | 6 | 2 | 1 | 1.75 | 1 | 0 | 98 | 83.77360067 | 27721 | 6.1 | 17.9 | 28 | 0 | 0 | $16.60 | 1 | 0 | 0 |
| 214705 | 15500 | 0.087529 | 1304 | 7 | 3 | 1 | 2 | 1 | 0 | 111 | 83.77360067 | 17238 | 45.9 | 17.1 | 79.6 | 1 | 0 | $11.89 | 0 | 1 | 0 |
| 205593 | 20900 | 0.222959 | 1368 | 7 | 3 | 1 | 2 | 0 | 0 | 136 | 83.77360067 | 24656 | 18.8 | 16.6 | 52.6 | 1 | 0 | $15.28 | 0 | 1 | 0 |
| 224801 | 16400 | 0.115309 | 1408 | 7 | 2 | 2 | 2 | 1 | 0 | 116 | 83.77360067 | 17238 | 45.9 | 17.1 | 79.6 | 1 | 0 | $11.65 | 0 | 1 | 0 |
| 230694 | 17900 | 0.194445 | 1224 | 8 | 3 | 2 | 2 | 1 | 0 | 121 | 83.77360067 | 17238 | 45.9 | 17.1 | 79.6 | 1 | 0 | $14.62 | 0 | 1 | 0 |
| 207147 | 16800 | 0.137294 | 1224 | 7 | 2 | 1.5 | 2 | 1 | 0 | 126 | 83.77360067 | 17238 | 45.9 | 17.1 | 79.6 | 1 | 0 | $13.73 | 0 | 1 | 0 |
| 215838 | 18000 | 0.112266 | 1013 | 6 | 2 | 1 | 2 | 1 | 0 | 92 | 83.77360067 | 41932 | 16.8 | 15.8 | 15.3 | 0 | 1 | $17.77 | 0 | 0 | 1 |
| 10006163 | 18300 | 0.188792 | 1040 | 7 | 3 | 1 | 2 | 1 | 0 | 91 | 83.77360067 | 30900 | 13.4 | 25.3 | 26.7 | 0 | 0 | $17.60 | 1 | 0 | 0 |
| 200329 | 16800 | 0.118758 | 1282 | 6 | 2 | 1 | 2 | 1 | 0 | 104 | 83.77360067 | 17238 | 45.9 | 17.1 | 79.6 | 1 | 0 | $13.10 | 0 | 1 | 0 |
| 222323 | 21100 | 0.224559 | 1296 | 6 | 2 | 1 | 2 | 1 | 0 | 130 | 83.77360067 | 24656 | 18.8 | 16.6 | 52.6 | 1 | 0 | $16.28 | 0 | 1 | 0 |
| 217042 | 19700 | 0.236324 | 1270 | 7 | 3 | 1 | 2 | 1 | 0 | 125 | 83.77360067 | 27721 | 6.1 | 17.9 | 28 | 0 | 0 | $15.51 | 1 | 0 | 0 |
| 203150 | 15200 | 0.055478 | 1144 | 7 | 3 | 1 | 2 | 1 | 0 | 92 | 83.77360067 | 17238 | 45.9 | 17.1 | 79.6 | 1 | 0 | $13.29 | 0 | 1 | 0 |
| 227026 | 19700 | 0.168409 | 1078 | 7 | 3 | 1 | 1.75 | 1 | 0 | 106 | 83.77360067 | 24656 | 18.8 | 16.6 | 52.6 | 1 | 0 | $18.27 | 0 | 1 | 0 |
| 242462 | 19400 | 0.221494 | 2736 | 11 | 6 | 2 | 2 | 1 | 0 | 106 | 83.77360067 | 17238 | 45.9 | 17.1 | 79.6 | 1 | 0 | $7.09 | 0 | 1 | 0 |
| 235465 | 17700 | 0.113584 | 992 | 6 | 2 | 1 | 1.5 | 1 | 0 | 104 | 83.77360067 | 30900 | 13.4 | 25.3 | 26.7 | 0 | 0 | $17.84 | 1 | 0 | 0 |
| 237494 | 16800 | 0.105886 | 1321 | 7 | 3 | 1 | 2 | 1 | 0 | 112 | 83.77360067 | 17238 | 45.9 | 17.1 | 79.6 | 1 | 0 | $12.72 | 0 | 1 | 0 |
| 207589 | 17500 | 0.141232 | 1344 | 7 | 3 | 1 | 2 | 1 | 0 | 112 | 83.77360067 | 17238 | 45.9 | 17.1 | 79.6 | 1 | 0 | $13.02 | 0 | 1 | 0 |
| 210532 | 21400 | 0.130452 | 768 | 6 | 2 | 1 | 1 | 1 | 0 | 91 | 83.77360067 | 41932 | 16.8 | 15.8 | 15.3 | 0 | 1 | $27.86 | 0 | 0 | 1 |
| 228137 | 18900 | 0.184605 | 1312 | 7 | 3 | 1 | 2 | 1 | 1 | 113 | 83.77360067 | 17238 | 45.9 | 17.1 | 79.6 | 1 | 0 | $14.41 | 0 | 1 | 0 |
| 231683 | 19100 | 0.1267 | 1248 | 7 | 3 | 1 | 2 | 1 | 0 | 116 | 83.77360067 | 41932 | 16.8 | 15.8 | 15.3 | 0 | 1 | $15.30 | 0 | 0 | 1 |
| 219540 | 18600 | 0.112266 | 958 | 7 | 3 | 1 | 2 | 1 | 0 | 92 | 83.77360067 | 41932 | 16.8 | 15.8 | 15.3 | 0 | 1 | $19.42 | 0 | 0 | 1 |
| 214573 | 22500 | 0.30066 | 1144 | 7 | 3 | 1 | 2 | 1 | 0 | 100 | 83.77360067 | 30900 | 13.4 | 25.3 | 26.7 | 0 | 0 | $19.67 | 1 | 0 | 0 |
| 202255 | 16800 | 0.09626 | 1104 | 6 | 2 | 1 | 2 | 1 | 0 | 91 | 83.77360067 | 17238 | 45.9 | 17.1 | 79.6 | 1 | 0 | $15.22 | 0 | 1 | 0 |
| 220691 | 21700 | 0.222928 | 1152 | 6 | 2 | 1 | 2 | 1 | 0 | 91 | 83.77360067 | 41932 | 16.8 | 15.8 | 15.3 | 0 | 1 | $18.84 | 0 | 0 | 1 |
| 222663 | 17500 | 0.09353 | 1221 | 7 | 3 | 1 | 2 | 1 | 0 | 101 | 83.77360067 | 30900 | 13.4 | 25.3 | 26.7 | 0 | 0 | $14.33 | 1 | 0 | 0 |
| 208714 | 17800 | 0.259276 | 1322 | 7 | 3 | 1 | 2 | 1 | 0 | 120 | 83.77360067 | 27721 | 6.1 | 17.9 | 28 | 0 | 0 | $13.46 | 1 | 0 | 0 |
| 208932 | 18200 | 0.173622 | 1168 | 6 | 2 | 1 | 2 | 1 | 0 | 98 | 83.77360067 | 17238 | 45.9 | 17.1 | 79.6 | 1 | 0 | $15.58 | 0 | 1 | 0 |
| 231912 | 18900 | 0.112264 | 862 | 6 | 2 | 1 | 1 | 1 | 1 | 105 | 83.77360067 | 41932 | 16.8 | 15.8 | 15.3 | 0 | 1 | $21.93 | 0 | 0 | 1 |
| 206826 | 18200 | 0.113618 | 992 | 6 | 2 | 1 | 1.5 | 1 | 0 | 104 | 83.77360067 | 30900 | 13.4 | 25.3 | 26.7 | 0 | 0 | $18.35 | 1 | 0 | 0 |
| 214096 | 17400 | 0.084667 | 1214 | 7 | 3 | 1 | 2 | 1 | 0 | 99 | 83.77360067 | 30900 | 13.4 | 25.3 | 26.7 | 0 | 0 | $14.33 | 1 | 0 | 0 |
| 206873 | 19600 | 0.15033 | 1224 | 7 | 2 | 2 | 1.75 | 1 | 0 | 115 | 83.77360067 | 27721 | 6.1 | 17.9 | 28 | 0 | 0 | $16.01 | 1 | 0 | 0 |
| 202730 | 18300 | 0.173623 | 1002 | 6 | 2 | 1 | 1.5 | 1 | 0 | 106 | 83.77360067 | 17238 | 45.9 | 17.1 | 79.6 | 1 | 0 | $18.26 | 0 | 1 | 0 |
| 200888 | 19800 | 0.240645 | 912 | 6 | 2 | 1 | 2 | 1 | 1 | 85 | 83.77360067 | 17238 | 45.9 | 17.1 | 79.6 | 1 | 0 | $21.71 | 0 | 1 | 0 |
| 218117 | 18100 | 0.102473 | 1210 | 8 | 3 | 2 | 2 | 1 | 0 | 116 | 83.77360067 | 24656 | 18.8 | 16.6 | 52.6 | 1 | 0 | $14.96 | 0 | 1 | 0 |
| 222165 | 18700 | 0.133613 | 1222 | 8 | 3 | 1.5 | 2 | 1 | 0 | 104 | 83.77360067 | 30900 | 13.4 | 25.3 | 26.7 | 0 | 0 | $15.30 | 1 | 0 | 0 |
| 232511 | 18600 | 0.179951 | 1248 | 7 | 2 | 2 | 2 | 1 | 1 | 94 | 83.77360067 | 17238 | 45.9 | 17.1 | 79.6 | 1 | 0 | $14.90 | 0 | 1 | 0 |
| 229463 | 20200 | 0.280871 | 1352 | 7 | 3 | 1 | 2 | 1 | 0 | 107 | 83.77360067 | 17238 | 45.9 | 17.1 | 79.6 | 1 | 0 | $14.94 | 0 | 1 | 0 |
| 229144 | 19600 | 0.22581 | 1476 | 7 | 2 | 2 | 2 | 1 | 0 | 126 | 83.77360067 | 17238 | 45.9 | 17.1 | 79.6 | 1 | 0 | $13.28 | 0 | 1 | 0 |
| 207226 | 21100 | 0.19509 | 1270 | 7 | 3 | 1 | 2 | 1 | 0 | 115 | 83.77360067 | 24656 | 18.8 | 16.6 | 52.6 | 1 | 0 | $16.61 | 0 | 1 | 0 |
| 216510 | 22000 | 0.222959 | 1568 | 7 | 3 | 1 | 2 | 1 | 0 | 126 | 83.77360067 | 24656 | 18.8 | 16.6 | 52.6 | 1 | 0 | $14.03 | 0 | 1 | 0 |
| 234804 | 18700 | 0.056529 | 1280 | 7 | 3 | 1 | 2 | 1 | 0 | 130 | 83.77360067 | 41932 | 16.8 | 15.8 | 15.3 | 0 | 1 | $14.61 | 0 | 0 | 1 |
| 10007024 | 23200 | 0.370813 | 1308 | 6 | 2 | 1 | 2 | 1 | 0 | 120 | 83.77360067 | 27721 | 6.1 | 17.9 | 28 | 0 | 0 | $17.74 | 1 | 0 | 0 |
| 217776 | 18000 | 0.093806 | 1208 | 7 | 3 | 1 | 2 | 1 | 0 | 91 | 83.77360067 | 30900 | 13.4 | 25.3 | 26.7 | 0 | 0 | $14.90 | 1 | 0 | 0 |
| 227743 | 20400 | 0.280875 | 1344 | 8 | 3 | 1.5 | 2 | 1 | 0 | 110 | 83.77360067 | 17238 | 45.9 | 17.1 | 79.6 | 1 | 0 | $15.18 | 0 | 1 | 0 |

# STATISTICAL SPREADSHEET MODEL

| PARCEL_ID | Total_Value | Lot_Size_Acres | Home_SF | Total_Rooms | Total_Bedrooms | Total_Baths | House_Stories | Basement | Garage | Age_of_Home | School_District_Rating | Neighborhood_Median_Income | Neighborhood_Percent_Vacant | Neighborhood_Unemployment_Rate | Neighborhood_Percent_Minority | Constructed_Noise_wall | Noise_Berm | Total Value/Sq Ft | Control | Wall | Berm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 228015 | 17600 | 0.112302 | 1452 | 7 | 2 | 2 | 2 | 1 | 0 | 100 | 83.77360067 | 17238 | 45.9 | 17.1 | 79.6 | 1 | 0 | $12.12 | 0 | 1 | 0 |
| 224678 | 22200 | 0.224561 | 1099 | 7 | 2 | 1.5 | 1.5 | 1 | 0 | 112 | 83.77360067 | 24656 | 18.8 | 16.6 | 52.6 | 1 | 0 | $20.20 | 0 | 1 | 0 |
| 229698 | 19600 | 0.133694 | 1280 | 7 | 3 | 1 | 2 | 1 | 0 | 136 | 83.77360067 | 24656 | 18.8 | 16.6 | 52.6 | 1 | 0 | $15.31 | 0 | 1 | 0 |
| 236713 | 17100 | 0.09947 | 1255 | 6 | 2 | 1 | 2 | 1 | 0 | 103 | 83.77360067 | 17238 | 45.9 | 17.1 | 79.6 | 1 | 0 | $13.63 | 0 | 1 | 0 |
| 200183 | 22300 | 0.222958 | 1330 | 7 | 3 | 1 | 2 | 1 | 0 | 126 | 83.77360067 | 24656 | 18.8 | 16.6 | 52.6 | 1 | 0 | $16.77 | 0 | 1 | 0 |
| 244602 | 21600 | 0.109238 | 1304 | 7 | 3 | 1 | 2 | 1 | 0 | 112 | 83.77360067 | 24656 | 18.8 | 16.6 | 52.6 | 1 | 0 | $16.56 | 0 | 1 | 0 |
| 214382 | 22300 | 0.224558 | 1314 | 6 | 2 | 1 | 2 | 1 | 0 | 123 | 83.77360067 | 24656 | 18.8 | 16.6 | 52.6 | 1 | 0 | $16.97 | 0 | 1 | 0 |
| 203394 | 19100 | 0.183073 | 2200 | 7 | 2 | 1.5 | 2 | 1 | 0 | 110 | 83.77360067 | 17238 | 45.9 | 17.1 | 79.6 | 1 | 0 | $8.68 | 0 | 1 | 0 |
| 210117 | 18500 | 0.080192 | 1248 | 7 | 3 | 1 | 2 | 1 | 0 | 104 | 83.77360067 | 41932 | 16.8 | 15.8 | 15.3 | 0 | 1 | $14.82 | 0 | 0 | 1 |
| 219245 | 20900 | 0.178342 | 1292 | 7 | 3 | 1 | 2 | 1 | 0 | 105 | 83.77360067 | 41932 | 16.8 | 15.8 | 15.3 | 0 | 1 | $16.18 | 0 | 0 | 1 |
| 204515 | 22400 | 0.169929 | 1534 | 8 | 3 | 1.5 | 2 | 1 | 1 | 107 | 83.77360067 | 41932 | 16.8 | 15.8 | 15.3 | 0 | 1 | $14.60 | 0 | 0 | 1 |
| 10007190 | 25100 | 0.449073 | 1344 | 6 | 2 | 1 | 2 | 1 | 1 | 116 | 83.77360067 | 41932 | 16.8 | 15.8 | 15.3 | 0 | 1 | $18.68 | 0 | 0 | 1 |
| 214889 | 17900 | 0.080177 | 744 | 6 | 2 | 1 | 1 | 0 | 0 | 65 | 83.77360067 | 30900 | 13.4 | 25.3 | 26.7 | 0 | 0 | $24.06 | 1 | 0 | 0 |
| 228110 | 22500 | 0.222931 | 1344 | 6 | 2 | 1 | 2 | 1 | 0 | 112 | 83.77360067 | 41932 | 16.8 | 15.8 | 15.3 | 0 | 1 | $16.74 | 0 | 0 | 1 |
| 226753 | 22500 | 0.222929 | 1222 | 7 | 3 | 1 | 2 | 1 | 0 | 91 | 83.77360067 | 41932 | 16.8 | 15.8 | 15.3 | 0 | 1 | $18.41 | 0 | 0 | 1 |
| 202728 | 18400 | 0.122525 | 1410 | 7 | 3 | 1 | 2 | 1 | 0 | 97 | 83.77360067 | 17238 | 45.9 | 17.1 | 79.6 | 1 | 0 | $13.05 | 0 | 1 | 0 |
| 201430 | 23600 | 0.240585 | 1298 | 8 | 3 | 1.5 | 2 | 1 | 0 | 106 | 83.77360067 | 24656 | 18.8 | 16.6 | 52.6 | 1 | 0 | $18.18 | 0 | 1 | 0 |
| 223952 | 20700 | 0.142748 | 1319 | 7 | 3 | 1 | 2 | 1 | 0 | 130 | 83.77360067 | 24656 | 18.8 | 16.6 | 52.6 | 1 | 0 | $15.69 | 0 | 1 | 0 |
| 225756 | 22600 | 0.224534 | 1254 | 7 | 3 | 1 | 2 | 1 | 0 | 109 | 83.77360067 | 41932 | 16.8 | 15.8 | 15.3 | 0 | 1 | $18.02 | 0 | 0 | 1 |
| 227066 | 18800 | 0.096228 | 1144 | 7 | 3 | 1 | 2 | 1 | 0 | 97 | 83.77360067 | 41932 | 16.8 | 15.8 | 15.3 | 0 | 1 | $16.43 | 0 | 0 | 1 |
| 219878 | 23500 | 0.300664 | 1090 | 6 | 2 | 1 | 2 | 1 | 1 | 116 | 83.77360067 | 30900 | 13.4 | 25.3 | 26.7 | 0 | 0 | $21.56 | 1 | 0 | 0 |
| 233252 | 19300 | 0.168339 | 1352 | 7 | 2 | 2 | 2 | 1 | 0 | 97 | 83.77360067 | 17238 | 45.9 | 17.1 | 79.6 | 1 | 0 | $14.28 | 0 | 1 | 0 |
| 223840 | 20100 | 0.133614 | 1086 | 6 | 2 | 1 | 2 | 1 | 1 | 128 | 83.77360067 | 24656 | 18.8 | 16.6 | 52.6 | 1 | 0 | $18.51 | 0 | 1 | 0 |
| 203948 | 23200 | 0.224499 | 1211 | 7 | 2 | 2 | 2 | 1 | 0 | 136 | 83.77360067 | 30900 | 13.4 | 25.3 | 26.7 | 0 | 0 | $19.16 | 1 | 0 | 0 |
| 204281 | 23500 | 0.333738 | 940 | 6 | 2 | 1 | 1 | 1 | 1 | 96 | 83.77360067 | 27721 | 6.1 | 17.9 | 28 | 0 | 0 | $25.00 | 1 | 0 | 0 |
| 226042 | 20600 | 0.204872 | 1400 | 8 | 3 | 1.5 | 2 | 1 | 1 | 125 | 83.77360067 | 27721 | 6.1 | 17.9 | 28 | 0 | 0 | $14.71 | 1 | 0 | 0 |
| 212444 | 19600 | 0.183443 | 1344 | 10 | 5 | 2 | 2 | 1 | 0 | 104 | 83.77360067 | 17238 | 45.9 | 17.1 | 79.6 | 1 | 0 | $14.58 | 0 | 1 | 0 |
| 235636 | 17900 | 0.10197 | 1772 | 9 | 4 | 2 | 2.5 | 1 | 0 | 105 | 83.77360067 | 17238 | 45.9 | 17.1 | 79.6 | 1 | 0 | $10.10 | 0 | 1 | 0 |
| 229766 | 19700 | 0.184644 | 1336 | 7 | 3 | 1 | 2 | 1 | 0 | 112 | 83.77360067 | 17238 | 45.9 | 17.1 | 79.6 | 1 | 0 | $14.75 | 0 | 1 | 0 |
| 225349 | 19200 | 0.100247 | 1376 | 7 | 3 | 1 | 2 | 1 | 0 | 128 | 83.77360067 | 24656 | 18.8 | 16.6 | 52.6 | 1 | 0 | $13.95 | 0 | 1 | 0 |
| 231226 | 20000 | 0.129485 | 1208 | 7 | 3 | 1 | 2 | 1 | 0 | 91 | 83.77360067 | 30900 | 13.4 | 25.3 | 26.7 | 0 | 0 | $16.56 | 1 | 0 | 0 |
| 223626 | 20000 | 0.120267 | 1274 | 8 | 3 | 1.5 | 2 | 1 | 0 | 106 | 83.77360067 | 30900 | 13.4 | 25.3 | 26.7 | 0 | 0 | $15.70 | 1 | 0 | 0 |
| 202729 | 19700 | 0.167767 | 1642 | 8 | 3 | 2 | 2 | 1 | 0 | 118 | 83.77360067 | 17238 | 45.9 | 17.1 | 79.6 | 1 | 0 | $12.00 | 0 | 1 | 0 |
| 228756 | 23100 | 0.200493 | 1584 | 6 | 2 | 1 | 2 | 1 | 1 | 128 | 83.77360067 | 24656 | 18.8 | 16.6 | 52.6 | 1 | 0 | $14.58 | 0 | 1 | 0 |
| 226141 | 25200 | 0.345529 | 1223 | 6 | 2 | 1 | 2 | 1 | 1 | 120 | 83.77360067 | 30900 | 13.4 | 25.3 | 26.7 | 0 | 0 | $20.61 | 1 | 0 | 0 |
| 246866 | 19100 | 0.156106 | 1520 | 7 | 2 | 2 | 2 | 1 | 0 | 116 | 83.77360067 | 17238 | 45.9 | 17.1 | 79.6 | 1 | 0 | $12.57 | 0 | 1 | 0 |
| 235028 | 19900 | 0.105853 | 1159 | 7 | 3 | 1 | 1.5 | 1 | 0 | 89 | 83.77360067 | 41932 | 16.8 | 15.8 | 15.3 | 0 | 1 | $17.17 | 0 | 0 | 1 |
| 217409 | 21700 | 0.178342 | 1232 | 8 | 3 | 1.5 | 2 | 1 | 0 | 105 | 83.77360067 | 41932 | 16.8 | 15.8 | 15.3 | 0 | 1 | $17.61 | 0 | 0 | 1 |
| 220023 | 21700 | 0.178344 | 1232 | 7 | 3 | 1 | 2 | 1 | 1 | 103 | 83.77360067 | 41932 | 16.8 | 15.8 | 15.3 | 0 | 1 | $17.61 | 0 | 0 | 1 |
| 222743 | 21700 | 0.247261 | 1320 | 7 | 3 | 1 | 2 | 1 | 0 | 121 | 83.77360067 | 30900 | 13.4 | 25.3 | 26.7 | 0 | 0 | $16.44 | 1 | 0 | 0 |
| 225398 | 19800 | 0.088216 | 1344 | 8 | 3 | 1.5 | 2 | 1 | 0 | 108 | 83.77360067 | 24656 | 18.8 | 16.6 | 52.6 | 1 | 0 | $14.73 | 0 | 1 | 0 |
| 206018 | 21400 | 0.167212 | 1240 | 8 | 3 | 2 | 2 | 1 | 0 | 106 | 83.77360067 | 24656 | 18.8 | 16.6 | 52.6 | 1 | 0 | $17.26 | 0 | 1 | 0 |
| 237562 | 21800 | 0.178344 | 1168 | 7 | 3 | 1 | 2 | 1 | 1 | 102 | 83.77360067 | 41932 | 16.8 | 15.8 | 15.3 | 0 | 1 | $18.66 | 0 | 0 | 1 |
| 231918 | 23400 | 0.224556 | 1484 | 7 | 3 | 1 | 2 | 1 | 1 | 111 | 83.77360067 | 24656 | 18.8 | 16.6 | 52.6 | 1 | 0 | $15.77 | 0 | 1 | 0 |
| 227331 | 23500 | 0.222954 | 1448 | 7 | 3 | 1 | 2 | 1 | 1 | 116 | 83.77360067 | 24656 | 18.8 | 16.6 | 52.6 | 1 | 0 | $16.23 | 0 | 1 | 0 |
| 230573 | 22400 | 0.075218 | 1348 | 7 | 3 | 1 | 2 | 1 | 0 | 116 | 83.77360067 | 41932 | 16.8 | 15.8 | 15.3 | 0 | 1 | $16.62 | 0 | 0 | 1 |
| 210340 | 24400 | 0.300663 | 1396 | 7 | 3 | 1 | 2 | 1 | 0 | 99 | 83.77360067 | 30900 | 13.4 | 25.3 | 26.7 | 0 | 0 | $17.48 | 1 | 0 | 0 |
| 207110 | 22000 | 0.161354 | 1186 | 6 | 2 | 1 | 1.75 | 1 | 0 | 103 | 83.77360067 | 27721 | 6.1 | 17.9 | 28 | 0 | 0 | $18.55 | 1 | 0 | 0 |
| 213245 | 22900 | 0.049136 | 1196 | 8 | 3 | 1.5 | 2 | 1 | 0 | 104 | 83.77360067 | 24656 | 18.8 | 16.6 | 52.6 | 0 | 1 | $19.15 | 0 | 0 | 1 |
| 234726 | 24700 | 0.324801 | 1386 | 7 | 3 | 1 | 2 | 1 | 1 | 124 | 83.77360067 | 30900 | 13.4 | 25.3 | 26.7 | 0 | 0 | $17.82 | 1 | 0 | 0 |
| 239215 | 23300 | 0.24399 | 1538 | 9 | 4 | 1.5 | 2 | 1 | 0 | 126 | 83.77360067 | 30900 | 13.4 | 25.3 | 26.7 | 0 | 0 | $15.15 | 1 | 0 | 0 |
| 222096 | 23700 | 0.224536 | 877 | 7 | 2 | 1.5 | 1 | 1 | 1 | 87 | 83.77360067 | 41932 | 16.8 | 15.8 | 15.3 | 0 | 1 | $27.02 | 0 | 0 | 1 |
| 207101 | 20900 | 0.118684 | 889 | 6 | 2 | 1 | 1 | 1 | 0 | 90 | 83.77360067 | 41932 | 16.8 | 15.8 | 15.3 | 0 | 1 | $23.51 | 0 | 0 | 1 |
| 236424 | 22800 | 0.183639 | 1352 | 7 | 3 | 1 | 2 | 1 | 0 | 101 | 83.77360067 | 41932 | 16.8 | 15.8 | 15.3 | 0 | 1 | $16.86 | 0 | 0 | 1 |
| 244744 | 21400 | 0.140312 | 1352 | 7 | 3 | 1 | 2 | 1 | 0 | 98 | 83.77360067 | 30900 | 13.4 | 25.3 | 26.7 | 0 | 0 | $15.83 | 1 | 0 | 0 |
| 235431 | 24000 | 0.205125 | 1405 | 8 | 3 | 1.5 | 2 | 1 | 0 | 115 | 83.77360067 | 24656 | 18.8 | 16.6 | 52.6 | 1 | 0 | $17.08 | 0 | 1 | 0 |
| 228581 | 23900 | 0.224551 | 1676 | 9 | 4 | 2 | 2 | 1 | 0 | 128 | 83.77360067 | 24656 | 18.8 | 16.6 | 52.6 | 1 | 0 | $14.26 | 0 | 1 | 0 |
| 210129 | 23900 | 0.22293 | 1229 | 8 | 3 | 1.5 | 2 | 1 | 0 | 90 | 83.77360067 | 41932 | 16.8 | 15.8 | 15.3 | 0 | 1 | $19.45 | 0 | 0 | 1 |
| 238991 | 19100 | 0.095826 | 728 | 7 | 2 | 2 | 1 | 1 | 0 | 53 | 83.77360067 | 17238 | 45.9 | 17.1 | 79.6 | 1 | 0 | $26.24 | 0 | 1 | 0 |
| 213906 | 21000 | 0.196728 | 1456 | 8 | 3 | 1.5 | 2 | 1 | 0 | 97 | 83.77360067 | 17238 | 45.9 | 17.1 | 79.6 | 1 | 0 | $14.42 | 0 | 1 | 0 |
| 216937 | 24000 | 0.222933 | 1488 | 7 | 3 | 1 | 2 | 1 | 0 | 116 | 83.77360067 | 41932 | 16.8 | 15.8 | 15.3 | 0 | 1 | $16.13 | 0 | 0 | 1 |
| 231328 | 21400 | 0.121411 | 1218 | 7 | 3 | 1 | 2 | 1 | 0 | 92 | 83.77360067 | 41932 | 16.8 | 15.8 | 15.3 | 0 | 1 | $17.57 | 0 | 0 | 1 |
| 220719 | 20400 | 0.156564 | 1584 | 8 | 3 | 1.5 | 2 | 1 | 0 | 116 | 83.77360067 | 17238 | 45.9 | 17.1 | 79.6 | 1 | 0 | $12.88 | 0 | 1 | 0 |
| 231040 | 23600 | 0.22102 | 1546 | 8 | 3 | 2 | 2 | 1 | 0 | 106 | 83.77360067 | 30900 | 13.4 | 25.3 | 26.7 | 0 | 0 | $15.27 | 1 | 0 | 0 |
| 226280 | 24200 | 0.224535 | 780 | 6 | 2 | 1 | 1 | 1 | 1 | 67 | 83.77360067 | 41932 | 16.8 | 15.8 | 15.3 | 0 | 1 | $31.03 | 0 | 0 | 1 |
| 218057 | 21300 | 0.112269 | 1208 | 8 | 3 | 2 | 1.5 | 1 | 0 | 90 | 83.77360067 | 41932 | 16.8 | 15.8 | 15.3 | 0 | 1 | $17.63 | 0 | 0 | 1 |
| 246431 | 23000 | 0.189219 | 1712 | 9 | 4 | 2 | 2 | 1 | 0 | 126 | 83.77360067 | 30900 | 13.4 | 25.3 | 26.7 | 0 | 0 | $13.43 | 1 | 0 | 0 |
| 235676 | 19500 | 0.060146 | 1576 | 7 | 2 | 1.5 | 2 | 1 | 0 | 110 | 83.77360067 | 24656 | 18.8 | 16.6 | 52.6 | 1 | 0 | $12.37 | 0 | 1 | 0 |
| 219068 | 24400 | 0.200572 | 1400 | 6 | 2 | 1 | 2 | 1 | 1 | 123 | 83.77360067 | 24656 | 18.8 | 16.6 | 52.6 | 1 | 0 | $17.43 | 0 | 1 | 0 |
| 232089 | 25500 | 0.323809 | 1368 | 7 | 3 | 1 | 2 | 1 | 1 | 111 | 83.77360067 | 30900 | 13.4 | 25.3 | 26.7 | 0 | 0 | $18.64 | 1 | 0 | 0 |
| 236854 | 19600 | 0.109963 | 1680 | 7 | 3 | 1 | 2 | 1 | 0 | 109 | 83.77360067 | 17238 | 45.9 | 17.1 | 79.6 | 1 | 0 | $11.67 | 0 | 1 | 0 |
| 225537 | 24500 | 0.222953 | 1533 | 8 | 3 | 1.5 | 2 | 1 | 0 | 129 | 83.77360067 | 24656 | 18.8 | 16.6 | 52.6 | 1 | 0 | $15.98 | 0 | 1 | 0 |
| 219955 | 25400 | 0.300664 | 1568 | 8 | 3 | 2 | 2 | 1 | 0 | 94 | 83.77360067 | 30900 | 13.4 | 25.3 | 26.7 | 0 | 0 | $16.20 | 1 | 0 | 0 |
| 232386 | 25500 | 0.300663 | 1152 | 7 | 3 | 1 | 1.5 | 1 | 1 | 94 | 83.77360067 | 27721 | 6.1 | 17.9 | 28 | 0 | 0 | $22.14 | 1 | 0 | 0 |
| 207467 | 22000 | 0.136251 | 1568 | 9 | 3 | 3 | 2 | 1 | 0 | 122 | 83.77360067 | 27721 | 6.1 | 17.9 | 28 | 0 | 0 | $14.03 | 1 | 0 | 0 |
| 236137 | 24700 | 0.224538 | 1456 | 7 | 3 | 1 | 2 | 1 | 0 | 103 | 83.77360067 | 24656 | 18.8 | 16.6 | 52.6 | 0 | 1 | $16.96 | 0 | 0 | 1 |

# STATISTICAL SPREADSHEET MODEL

| PARCEL_ID | Total_Value | Lot_Size_Acres | Home_SF | Total_Rooms | Total_Bedrooms | Total_Baths | House_Stories | Basement | Garage | Age_of_Home | School_District_Rating | Neighborhood_Median_Income | Neighborhood_Percent_Vacant | Neighborhood_Unemployment_Rate | Neighborhood_Percent_Minority | Constructed_Noise_wall | Noise_Berm | Total Value/Sq Ft | Control | Wall | Berm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 222673 | 20700 | 0.140586 | 1892 | 9 | 3 | 2.5 | 2 | 1 | 0 | 131 | 83.77360067 | 17238 | 45.9 | 17.1 | 79.6 | 1 | 0 | $10.94 | 0 | 1 | 0 |
| 230400 | 21100 | 0.164242 | 1662 | 8 | 3 | 2 | 2 | 1 | 0 | 146 | 83.77360067 | 17238 | 45.9 | 17.1 | 79.6 | 1 | 0 | $12.70 | 0 | 1 | 0 |
| 216530 | 23500 | 0.300811 | 1612 | 8 | 3 | 2 | 2 | 1 | 1 | 110 | 83.77360067 | 17238 | 45.9 | 17.1 | 79.6 | 1 | 0 | $14.58 | 0 | 1 | 0 |
| 227266 | 23800 | 0.16039 | 1183 | 8 | 3 | 2 | 1.5 | 1 | 0 | 111 | 83.77360067 | 24656 | 18.8 | 16.6 | 52.6 | 1 | 0 | $20.12 | 0 | 1 | 0 |
| 205922 | 22000 | 0.112268 | 1038 | 6 | 2 | 1 | 2 | 1 | 0 | 90 | 83.77360067 | 41932 | 16.8 | 15.8 | 15.3 | 0 | 1 | $21.19 | 0 | 0 | 1 |
| 218649 | 21600 | 0.12267 | 1574 | 8 | 3 | 2 | 2 | 1 | 0 | 91 | 83.77360067 | 30900 | 13.4 | 25.3 | 26.7 | 0 | 0 | $13.72 | 1 | 0 | 0 |
| 229364 | 26500 | 0.370817 | 1440 | 7 | 3 | 1 | 2 | 1 | 0 | 108 | 83.77360067 | 27721 | 6.1 | 17.9 | 28 | 0 | 0 | $18.40 | 1 | 0 | 0 |
| 230651 | 20900 | 0.131006 | 1792 | 8 | 3 | 2 | 2 | 1 | 0 | 110 | 83.77360067 | 17238 | 45.9 | 17.1 | 79.6 | 1 | 0 | $11.66 | 0 | 1 | 0 |
| 206585 | 25000 | 0.222949 | 1152 | 6 | 2 | 1 | 1 | 1 | 1 | 116 | 83.77360067 | 24656 | 18.8 | 16.6 | 52.6 | 1 | 0 | $21.70 | 0 | 1 | 0 |
| 221377 | 25000 | 0.001723 | 1388 | 7 | 3 | 1 | 2 | 1 | 0 | 110 | 83.77360067 | 41932 | 16.8 | 15.8 | 15.3 | 0 | 1 | $18.01 | 0 | 0 | 1 |
| 225743 | 25900 | 0.30066 | 1222 | 9 | 3 | 2.5 | 2 | 1 | 1 | 100 | 83.77360067 | 30900 | 13.4 | 25.3 | 26.7 | 0 | 0 | $21.19 | 1 | 0 | 0 |
| 243073 | 23400 | 0.281923 | 1200 | 7 | 3 | 1 | 2 | 1 | 1 | 91 | 83.77360067 | 17238 | 45.9 | 17.1 | 79.6 | 1 | 0 | $19.50 | 0 | 1 | 0 |
| 229556 | 21600 | 0.158343 | 1978 | 7 | 2 | 2 | 2 | 1 | 0 | 118 | 83.77360067 | 17238 | 45.9 | 17.1 | 79.6 | 1 | 0 | $10.92 | 0 | 1 | 0 |
| 220441 | 25100 | 0.222957 | 1678 | 7 | 3 | 1 | 2 | 1 | 1 | 128 | 83.77360067 | 24656 | 18.8 | 16.6 | 52.6 | 1 | 0 | $14.96 | 0 | 1 | 0 |
| 238833 | 24100 | 0.315841 | 1664 | 7 | 3 | 1 | 2 | 1 | 0 | 114 | 83.77360067 | 17238 | 45.9 | 17.1 | 79.6 | 1 | 0 | $14.48 | 0 | 1 | 0 |
| 235677 | 25300 | 0.224536 | 944 | 6 | 2 | 1 | 1 | 1 | 1 | 87 | 83.77360067 | 41932 | 16.8 | 15.8 | 15.3 | 0 | 1 | $26.80 | 0 | 0 | 1 |
| 230672 | 25300 | 0.222931 | 1596 | 8 | 3 | 1.5 | 2 | 1 | 0 | 105 | 83.77360067 | 41932 | 16.8 | 15.8 | 15.3 | 0 | 1 | $15.85 | 0 | 0 | 1 |
| 236554 | 25300 | 0.222932 | 1344 | 7 | 3 | 1 | 2 | 1 | 1 | 90 | 83.77360067 | 41932 | 16.8 | 15.8 | 15.3 | 0 | 1 | $18.82 | 0 | 0 | 1 |
| 208782 | 23900 | 0.168442 | 1365 | 7 | 3 | 1 | 2 | 1 | 1 | 105 | 83.77360067 | 24656 | 18.8 | 16.6 | 52.6 | 1 | 0 | $17.51 | 0 | 1 | 0 |
| 218964 | 25400 | 0.22455 | 1628 | 8 | 3 | 1.5 | 2 | 1 | 0 | 132 | 83.77360067 | 24656 | 18.8 | 16.6 | 52.6 | 1 | 0 | $15.60 | 0 | 1 | 0 |
| 228498 | 23800 | 0.090823 | 2960 | 9 | 4 | 2 | 2 | 1 | 0 | 130 | 83.77360067 | 24656 | 18.8 | 16.6 | 52.6 | 1 | 0 | $8.04 | 0 | 1 | 0 |
| 207975 | 21700 | 0.14024 | 1656 | 6 | 2 | 1 | 2 | 1 | 0 | 111 | 83.77360067 | 17238 | 45.9 | 17.1 | 79.6 | 1 | 0 | $13.10 | 0 | 1 | 0 |
| 231460 | 25500 | 0.224535 | 1484 | 8 | 3 | 2 | 2 | 1 | 0 | 98 | 83.77360067 | 41932 | 16.8 | 15.8 | 15.3 | 0 | 1 | $17.18 | 0 | 0 | 1 |
| 203793 | 22100 | 0.158341 | 2049 | 8 | 3 | 2 | 1.75 | 1 | 0 | 121 | 83.77360067 | 17238 | 45.9 | 17.1 | 79.6 | 1 | 0 | $10.79 | 0 | 1 | 0 |
| 217868 | 23900 | 0.280873 | 1930 | 10 | 4 | 2.5 | 1.75 | 1 | 0 | 116 | 83.77360067 | 17238 | 45.9 | 17.1 | 79.6 | 1 | 0 | $12.38 | 0 | 1 | 0 |
| 208440 | 25800 | 0.207261 | 1800 | 8 | 4 | 1 | 2.5 | 1 | 0 | 108 | 83.77360067 | 24656 | 18.8 | 16.6 | 52.6 | 1 | 0 | $14.33 | 0 | 1 | 0 |
| 284731 | 27000 | 0.222931 | 1248 | 9 | 4 | 1.5 | 2 | 1 | 1 | 90 | 83.77360067 | 41932 | 16.8 | 15.8 | 15.3 | 0 | 1 | $21.63 | 0 | 0 | 1 |
| 211969 | 25800 | 0.224549 | 1574 | 8 | 3 | 1.5 | 2 | 1 | 0 | 132 | 83.77360067 | 24656 | 18.8 | 16.6 | 52.6 | 1 | 0 | $16.39 | 0 | 1 | 0 |
| 241478 | 29500 | 0.400982 | 1550 | 9 | 4 | 1.5 | 2 | 1 | 1 | 131 | 83.77360067 | 24656 | 18.8 | 16.6 | 52.6 | 1 | 0 | $19.03 | 0 | 1 | 0 |
| 231320 | 23100 | 0.207904 | 1792 | 7 | 3 | 1 | 2 | 1 | 1 | 105 | 83.77360067 | 17238 | 45.9 | 17.1 | 79.6 | 1 | 0 | $12.89 | 0 | 1 | 0 |
| 207204 | 25900 | 0.224532 | 1645 | 9 | 3 | 3 | 2 | 1 | 1 | 116 | 83.77360067 | 41932 | 16.8 | 15.8 | 15.3 | 0 | 1 | $15.74 | 0 | 0 | 1 |
| 209121 | 24900 | 0.230293 | 1665 | 8 | 4 | 1 | 2 | 1 | 0 | 103 | 83.77360067 | 30900 | 13.4 | 25.3 | 26.7 | 0 | 0 | $14.95 | 1 | 0 | 0 |
| 217405 | 26000 | 0.224537 | 1368 | 7 | 3 | 1 | 2 | 1 | 1 | 101 | 83.77360067 | 41932 | 16.8 | 15.8 | 15.3 | 0 | 1 | $19.01 | 0 | 0 | 1 |
| 230729 | 25300 | 0.219202 | 1416 | 7 | 3 | 1 | 2 | 1 | 0 | 98 | 83.77360067 | 30900 | 13.4 | 25.3 | 26.7 | 0 | 0 | $17.87 | 1 | 0 | 0 |
| 207609 | 22900 | 0.210563 | 1812 | 7 | 3 | 1 | 2 | 1 | 0 | 116 | 83.77360067 | 17238 | 45.9 | 17.1 | 79.6 | 1 | 0 | $12.64 | 0 | 1 | 0 |
| 231850 | 22500 | 0.184605 | 1683 | 9 | 4 | 2 | 2 | 1 | 0 | 116 | 83.77360067 | 17238 | 45.9 | 17.1 | 79.6 | 1 | 0 | $13.37 | 0 | 1 | 0 |
| 219427 | 26100 | 0.224561 | 1588 | 7 | 3 | 1 | 2 | 1 | 0 | 111 | 83.77360067 | 24656 | 18.8 | 16.6 | 52.6 | 1 | 0 | $16.44 | 0 | 1 | 0 |
| 206251 | 26100 | 0.046526 | 1080 | 6 | 2 | 1 | 1.5 | 1 | 0 | 65 | 83.77360067 | 24656 | 18.8 | 16.6 | 52.6 | 0 | 1 | $24.17 | 0 | 0 | 1 |
| 206466 | 24500 | 0.170378 | 1746 | 7 | 2 | 2 | 2 | 1 | 1 | 126 | 83.77360067 | 30900 | 13.4 | 25.3 | 26.7 | 0 | 0 | $14.03 | 1 | 0 | 0 |
| 206875 | 23100 | 0.180483 | 1763 | 10 | 4 | 2.5 | 2 | 1 | 0 | 110 | 83.77360067 | 17238 | 45.9 | 17.1 | 79.6 | 1 | 0 | $13.10 | 0 | 1 | 0 |
| 204403 | 26200 | 0.224557 | 1816 | 9 | 4 | 2 | 2 | 1 | 0 | 126 | 83.77360067 | 24656 | 18.8 | 16.6 | 52.6 | 1 | 0 | $14.43 | 0 | 1 | 0 |
| 228341 | 23700 | 0.166091 | 1754 | 9 | 4 | 2 | 2 | 1 | 0 | 131 | 83.77360067 | 30900 | 13.4 | 25.3 | 26.7 | 0 | 0 | $13.51 | 1 | 0 | 0 |
| 224921 | 27100 | 0.300662 | 1752 | 7 | 3 | 1 | 2 | 1 | 0 | 120 | 83.77360067 | 27721 | 6.1 | 17.9 | 28 | 0 | 0 | $15.47 | 1 | 0 | 0 |
| 207983 | 25300 | 0.220483 | 1472 | 7 | 2 | 2 | 2 | 1 | 0 | 121 | 83.77360067 | 30900 | 13.4 | 25.3 | 26.7 | 0 | 0 | $17.19 | 1 | 0 | 0 |
| 238835 | 25000 | 0.300802 | 1650 | 7 | 3 | 1 | 2 | 1 | 1 | 110 | 83.77360067 | 17238 | 45.9 | 17.1 | 79.6 | 1 | 0 | $15.15 | 0 | 1 | 0 |
| 204749 | 26400 | 0.222945 | 1383 | 6 | 2 | 1 | 2 | 1 | 1 | 120 | 83.77360067 | 24656 | 18.8 | 16.6 | 52.6 | 1 | 0 | $19.09 | 0 | 1 | 0 |
| 203408 | 26400 | 0.159719 | 1674 | 7 | 3 | 1 | 2 | 1 | 0 | 126 | 83.77360067 | 24656 | 18.8 | 16.6 | 52.6 | 1 | 0 | $15.77 | 0 | 1 | 0 |
| 223774 | 25000 | 0.168376 | 1110 | 6 | 2 | 1 | 1.5 | 1 | 1 | 100 | 83.77360067 | 24656 | 18.8 | 16.6 | 52.6 | 1 | 0 | $22.52 | 0 | 1 | 0 |
| 214950 | 26500 | 0.22293 | 1344 | 7 | 3 | 1 | 2 | 1 | 1 | 91 | 83.77360067 | 41932 | 16.8 | 15.8 | 15.3 | 0 | 1 | $19.72 | 0 | 0 | 1 |
| 219748 | 28100 | 0.186553 | 1680 | 8 | 4 | 1 | 2 | 1 | 0 | 104 | 83.77360067 | 24656 | 18.8 | 16.6 | 52.6 | 0 | 1 | $16.73 | 0 | 0 | 1 |
| 229471 | 23300 | 0.166477 | 1508 | 9 | 4 | 1.5 | 2 | 1 | 0 | 116 | 83.77360067 | 17238 | 45.9 | 17.1 | 79.6 | 1 | 0 | $15.45 | 0 | 1 | 0 |
| 215336 | 26700 | 0.222955 | 1568 | 8 | 3 | 2 | 2 | 1 | 0 | 136 | 83.77360067 | 24656 | 18.8 | 16.6 | 52.6 | 1 | 0 | $17.03 | 0 | 1 | 0 |
| 235464 | 23700 | 0.112266 | 1348 | 7 | 3 | 1 | 2 | 1 | 0 | 92 | 83.77360067 | 41932 | 16.8 | 15.8 | 15.3 | 0 | 1 | $17.58 | 0 | 0 | 1 |
| 200135 | 24200 | 0.211548 | 1616 | 9 | 4 | 1.5 | 2 | 1 | 1 | 107 | 83.77360067 | 17238 | 45.9 | 17.1 | 79.6 | 1 | 0 | $14.98 | 0 | 1 | 0 |
| 223738 | 24900 | 0.142742 | 1344 | 8 | 3 | 1.5 | 2 | 1 | 0 | 101 | 83.77360067 | 41932 | 16.8 | 15.8 | 15.3 | 0 | 1 | $18.53 | 0 | 0 | 1 |
| 230886 | 27900 | 0.323529 | 1922 | 9 | 4 | 1.5 | 2 | 1 | 1 | 120 | 83.77360067 | 30900 | 13.4 | 25.3 | 26.7 | 0 | 0 | $14.52 | 1 | 0 | 0 |
| 226683 | 26900 | 0.224553 | 1596 | 8 | 3 | 2 | 2 | 1 | 1 | 126 | 83.77360067 | 24656 | 18.8 | 16.6 | 52.6 | 1 | 0 | $16.85 | 0 | 1 | 0 |
| 208562 | 26600 | 0.131619 | 1320 | 6 | 2 | 1 | 2 | 1 | 0 | 93 | 83.77360067 | 24656 | 18.8 | 16.6 | 52.6 | 1 | 0 | $20.15 | 0 | 1 | 0 |
| 208009 | 28500 | 0.370817 | 1568 | 7 | 3 | 1 | 2 | 1 | 0 | 94 | 83.77360067 | 27721 | 6.1 | 17.9 | 28 | 0 | 0 | $18.18 | 1 | 0 | 0 |
| 219330 | 27100 | 0.222934 | 2106 | 9 | 4 | 2 | 2 | 1 | 0 | 120 | 83.77360067 | 41932 | 16.8 | 15.8 | 15.3 | 0 | 1 | $12.87 | 0 | 0 | 1 |
| 228758 | 25200 | 0.150329 | 1620 | 8 | 3 | 2 | 2 | 1 | 0 | 114 | 83.77360067 | 27721 | 6.1 | 17.9 | 28 | 0 | 0 | $15.56 | 1 | 0 | 0 |
| 224063 | 23500 | 0.156782 | 1668 | 8 | 3 | 2 | 1.5 | 1 | 0 | 115 | 83.77360067 | 17238 | 45.9 | 17.1 | 79.6 | 1 | 0 | $14.09 | 0 | 1 | 0 |
| 231825 | 27300 | 0.22294 | 1592 | 8 | 3 | 2 | 2 | 1 | 0 | 112 | 83.77360067 | 24656 | 18.8 | 16.6 | 52.6 | 1 | 0 | $17.15 | 0 | 1 | 0 |
| 225748 | 28200 | 0.300663 | 1664 | 8 | 3 | 1.5 | 2 | 1 | 0 | 126 | 83.77360067 | 27721 | 6.1 | 17.9 | 28 | 0 | 0 | $16.95 | 1 | 0 | 0 |
| 221958 | 24000 | 0.160021 | 1998 | 8 | 3 | 2 | 2 | 1 | 0 | 116 | 83.77360067 | 17238 | 45.9 | 17.1 | 79.6 | 1 | 0 | $12.01 | 0 | 1 | 0 |
| 214980 | 24600 | 0.193677 | 2124 | 9 | 3 | 3 | 2 | 1 | 0 | 106 | 83.77360067 | 17238 | 45.9 | 17.1 | 79.6 | 1 | 0 | $11.58 | 0 | 1 | 0 |
| 229889 | 27300 | 0.197694 | 1326 | 11 | 3 | 3.5 | 1 | 0 | 0 | 72 | 83.77360067 | 17238 | 45.9 | 17.1 | 79.6 | 1 | 0 | $20.59 | 0 | 1 | 0 |
| 200175 | 25900 | 0.260745 | 1974 | 9 | 3 | 2.5 | 2 | 1 | 0 | 106 | 83.77360067 | 17238 | 45.9 | 17.1 | 79.6 | 1 | 0 | $13.12 | 0 | 1 | 0 |
| 229470 | 23900 | 0.122527 | 1966 | 10 | 5 | 2 | 2 | 1 | 0 | 97 | 83.77360067 | 17238 | 45.9 | 17.1 | 79.6 | 1 | 0 | $12.16 | 0 | 1 | 0 |
| 233238 | 27400 | 0.187656 | 2220 | 8 | 3 | 2 | 2 | 1 | 0 | 112 | 83.77360067 | 24656 | 18.8 | 16.6 | 52.6 | 1 | 0 | $12.34 | 0 | 1 | 0 |
| 228024 | 28100 | 0.224554 | 1612 | 8 | 3 | 1.5 | 2 | 1 | 1 | 112 | 83.77360067 | 24656 | 18.8 | 16.6 | 52.6 | 1 | 0 | $17.43 | 0 | 1 | 0 |
| 216837 | 28200 | 0.038357 | 1776 | 9 | 4 | 1.5 | 2 | 1 | 0 | 104 | 83.77360067 | 24656 | 18.8 | 16.6 | 52.6 | 0 | 1 | $15.88 | 0 | 0 | 1 |
| 219005 | 28200 | 0.224533 | 1170 | 6 | 2 | 1 | 1.5 | 1 | 1 | 67 | 83.77360067 | 41932 | 16.8 | 15.8 | 15.3 | 0 | 1 | $24.10 | 0 | 0 | 1 |
| 204248 | 25800 | 0.130659 | 1532 | 7 | 3 | 1 | 2 | 1 | 0 | 76 | 83.77360067 | 30900 | 13.4 | 25.3 | 26.7 | 0 | 0 | $16.84 | 1 | 0 | 0 |
| 218796 | 31400 | 0.280877 | 4887 | 5 | 0 | 1 | 1 | 0 | 0 | 106 | 83.77360067 | 17238 | 45.9 | 17.1 | 79.6 | 1 | 0 | $6.43 | 0 | 1 | 0 |
| 202468 | 28700 | 0.20491 | 1345 | 8 | 3 | 1.5 | 2 | 1 | 1 | 126 | 83.77360067 | 24656 | 18.8 | 16.6 | 52.6 | 1 | 0 | $21.34 | 0 | 1 | 0 |

# STATISTICAL SPREADSHEET MODEL

| PARCEL_ID | Total_Value | Lot_Size_Acres | Home_SF | Total_Rooms | Total_Bedrooms | Total_Baths | House_Stories | Basement | Garage | Age_of_Home | School_District_Rating | Neighborhood_Median_Income | Neighborhood_Percent_Vacant | Neighborhood_Unemployment_Rate | Neighborhood_Percent_Minority | Constructed_Noise_wall | Noise_Berm | Total Value/Sq Ft | Control | Wall | Berm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 284596 | 29900 | 0.224532 | 1584 | 7 | 3 | 1 | 1.5 | 1 | 0 | 90 | 83.77360067 | 41932 | 16.8 | 15.8 | 15.3 | 0 | 1 | $18.88 | 0 | 0 | 1 |
| 209654 | 28100 | 0.276288 | 1456 | 7 | 3 | 1 | 2 | 1 | 1 | 95 | 83.77360067 | 30900 | 13.4 | 25.3 | 26.7 | 0 | 0 | $19.30 | 1 | 0 | 0 |
| 238649 | 24400 | 0.12579 | 1608 | 6 | 2 | 1 | 2 | 1 | 0 | 116 | 83.77360067 | 17238 | 45.9 | 17.1 | 79.6 | 1 | 0 | $15.17 | 0 | 1 | 0 |
| 216073 | 28900 | 0.222952 | 1764 | 7 | 3 | 1 | 2 | 1 | 0 | 126 | 83.77360067 | 24656 | 18.8 | 16.6 | 52.6 | 1 | 0 | $16.38 | 0 | 1 | 0 |
| 221852 | 25400 | 0.153745 | 1880 | 9 | 4 | 2 | 2 | 1 | 1 | 86 | 83.77360067 | 17238 | 45.9 | 17.1 | 79.6 | 1 | 0 | $13.51 | 0 | 1 | 0 |
| 235157 | 25200 | 0.140436 | 2168 | 9 | 4 | 2 | 2 | 1 | 0 | 98 | 83.77360067 | 17238 | 45.9 | 17.1 | 79.6 | 1 | 0 | $11.62 | 0 | 1 | 0 |
| 230616 | 29100 | 0.224552 | 1683 | 8 | 3 | 2 | 2 | 1 | 1 | 126 | 83.77360067 | 24656 | 18.8 | 16.6 | 52.6 | 1 | 0 | $17.29 | 0 | 1 | 0 |
| 246136 | 27200 | 0.130322 | 1976 | 11 | 6 | 2 | 2 | 1 | 0 | 114 | 83.77360067 | 24656 | 18.8 | 16.6 | 52.6 | 1 | 0 | $13.77 | 0 | 1 | 0 |
| 244743 | 28400 | 0.200445 | 1534 | 8 | 3 | 1.5 | 2 | 1 | 1 | 98 | 83.77360067 | 30900 | 13.4 | 25.3 | 26.7 | 0 | 0 | $18.51 | 1 | 0 | 0 |
| 217780 | 26800 | 0.145977 | 1616 | 7 | 3 | 1 | 2 | 1 | 0 | 125 | 83.77360067 | 27721 | 6.1 | 17.9 | 28 | 0 | 0 | $16.58 | 1 | 0 | 0 |
| 225344 | 28200 | 0.300807 | 1904 | 7 | 3 | 1 | 2 | 1 | 1 | 111 | 83.77360067 | 17238 | 45.9 | 17.1 | 79.6 | 1 | 0 | $14.81 | 0 | 1 | 0 |
| 246476 | 29300 | 0.185292 | 2384 | 11 | 4 | 4 | 2 | 1 | 0 | 121 | 83.77360067 | 17238 | 45.9 | 17.1 | 79.6 | 1 | 0 | $12.29 | 0 | 1 | 0 |
| 204584 | 28200 | 0.144356 | 2028 | 9 | 4 | 2 | 2 | 1 | 0 | 97 | 83.77360067 | 24656 | 18.8 | 16.6 | 52.6 | 1 | 0 | $13.91 | 0 | 1 | 0 |
| 245224 | 31700 | 0.31295 | 862 | 6 | 2 | 1 | 1 | 1 | 1 | 88 | 83.77360067 | 24656 | 18.8 | 16.6 | 52.6 | 0 | 1 | $36.77 | 0 | 0 | 1 |
| 232340 | 29500 | 0.178344 | 1544 | 9 | 4 | 2 | 2 | 1 | 1 | 103 | 83.77360067 | 41932 | 16.8 | 15.8 | 15.3 | 0 | 1 | $19.11 | 0 | 0 | 1 |
| 231942 | 31200 | 0.224534 | 1112 | 8 | 3 | 1.5 | 1 | 1 | 1 | 87 | 83.77360067 | 41932 | 16.8 | 15.8 | 15.3 | 0 | 1 | $28.06 | 0 | 0 | 1 |
| 218032 | 33400 | 0.260305 | 4160 | 15 | 8 | 4 | 2 | 1 | 0 | 97 | 83.77360067 | 17238 | 45.9 | 17.1 | 79.6 | 1 | 0 | $8.03 | 0 | 1 | 0 |
| 221384 | 29800 | 0.160392 | 2484 | 8 | 3 | 2 | 2 | 1 | 0 | 126 | 83.77360067 | 24656 | 18.8 | 16.6 | 52.6 | 1 | 0 | $12.00 | 0 | 1 | 0 |
| 284792 | 33200 | 0.224564 | 2336 | 11 | 6 | 2 | 2 | 1 | 0 | 91 | 83.77360067 | 24656 | 18.8 | 16.6 | 52.6 | 1 | 0 | $14.21 | 0 | 1 | 0 |
| 228858 | 31900 | 0.029345 | 2376 | 9 | 4 | 2 | 2 | 1 | 0 | 92 | 83.77360067 | 24656 | 18.8 | 16.6 | 52.6 | 0 | 1 | $13.43 | 0 | 0 | 1 |
| 205691 | 27600 | 0.203314 | 1352 | 5 | 0 | 1.5 | 2 | 1 | 0 | 90 | 83.77360067 | 24656 | 18.8 | 16.6 | 52.6 | 1 | 0 | $20.41 | 0 | 1 | 0 |
| 217176 | 26200 | 0.09721 | 2734 | 14 | 6 | 5 | 2 | 1 | 0 | 108 | 83.77360067 | 24656 | 18.8 | 16.6 | 52.6 | 1 | 0 | $9.58 | 0 | 1 | 0 |
| 246877 | 28800 | 0.16439 | 2672 | 9 | 4 | 2 | 2 | 1 | 0 | 106 | 83.77360067 | 17238 | 45.9 | 17.1 | 79.6 | 1 | 0 | $10.78 | 0 | 1 | 0 |
| 205703 | 33800 | 0.109071 | 2640 | 11 | 6 | 2 | 2 | 1 | 0 | 110 | 83.77360067 | 24656 | 18.8 | 16.6 | 52.6 | 1 | 0 | $12.80 | 0 | 1 | 0 |
| 239050 | 38400 | 0.449066 | 1368 | 8 | 3 | 2 | 1.5 | 1 | 1 | 64 | 83.77360067 | 41932 | 16.8 | 15.8 | 15.3 | 0 | 1 | $28.07 | 0 | 0 | 1 |
| 231133 | 36300 | 0.276614 | 900 | 6 | 2 | 1 | 1.5 | 1 | 1 | 97 | 83.77360067 | 27721 | 6.1 | 17.9 | 28 | 0 | 0 | $40.33 | 1 | 0 | 0 |
| 203568 | 32600 | 0.222947 | 3400 | 11 | 4 | 4 | 2 | 1 | 0 | 112 | 83.77360067 | 24656 | 18.8 | 16.6 | 52.6 | 1 | 0 | $9.59 | 0 | 1 | 0 |
| 219115 | 32800 | 0.064157 | 1876 | 9 | 4 | 1.5 | 2 | 1 | 0 | 130 | 83.77360067 | 24656 | 18.8 | 16.6 | 52.6 | 1 | 0 | $17.48 | 0 | 1 | 0 |
| 234980 | 36900 | 0.261011 | 3270 | 11 | 6 | 2 | 2 | 1 | 0 | 100 | 83.77360067 | 17238 | 45.9 | 17.1 | 79.6 | 1 | 0 | $11.28 | 0 | 1 | 0 |
| 226985 | 54100 | 0.20049 | 4851 | 5 | 0 | 1 | 1 | 0 | 0 | 76 | 83.77360067 | 24656 | 18.8 | 16.6 | 52.6 | 1 | 0 | $11.15 | 0 | 1 | 0 |
| 245524 | 139500 | 0.005694 | 4760 | 9 | 0 | 3 | 1 | 0 | 0 | 54 | 83.77360067 | 24656 | 18.8 | 16.6 | 52.6 | 1 | 0 | $29.31 | 0 | 1 | 0 |
| 10004114 | 213500 | 0.02582 | 6000 | 3 | 0 | 0 | 1 | 0 | 0 | 16 | 83.77360067 | 41932 | 16.8 | 15.8 | 15.3 | 0 | 1 | $35.58 | 0 | 0 | 1 |
| 040-012968 | 138200 | 0.07043 | 1760 | 5 | 3 | 2.5 | 2 | 0 | 1 | 7 | 94.94528929 | 94777 | 5.8 | 2.8 | 7.1 | 0 | 1 | $78.52 | 0 | 0 | 1 |
| 040-012969 | 128700 | 0.067077 | 1760 | 6 | 3 | 2.5 | 2 | 0 | 1 | 10 | 94.94528929 | 94777 | 5.8 | 2.8 | 7.1 | 0 | 1 | $73.13 | 0 | 0 | 1 |
| 040-012972 | 132600 | 0.066856 | 1760 | 5 | 3 | 2.5 | 2 | 0 | 1 | 7 | 94.94528929 | 94777 | 5.8 | 2.8 | 7.1 | 0 | 1 | $75.34 | 0 | 0 | 1 |
| 040-012983 | 133200 | 0.06672 | 1760 | 6 | 3 | 2.5 | 2 | 0 | 1 | 8 | 94.94528929 | 94777 | 5.8 | 2.8 | 7.1 | 0 | 1 | $75.68 | 0 | 0 | 1 |
| 040-013418 | 137700 | 0.067015 | 1760 | 5 | 3 | 2.5 | 2 | 0 | 1 | 7 | 94.94528929 | 94777 | 5.8 | 2.8 | 7.1 | 0 | 1 | $78.24 | 0 | 0 | 1 |
| 040-013419 | 137900 | 0.067016 | 1760 | 5 | 2 | 2.5 | 2 | 0 | 1 | 8 | 94.94528929 | 94777 | 5.8 | 2.8 | 7.1 | 0 | 1 | $78.35 | 0 | 0 | 1 |
| 040-013422 | 129900 | 0.06658 | 1760 | 7 | 3 | 2.5 | 2 | 0 | 1 | 10 | 94.94528929 | 94777 | 5.8 | 2.8 | 7.1 | 0 | 1 | $73.81 | 0 | 0 | 1 |
| 040-013423 | 128500 | 0.066394 | 1760 | 6 | 3 | 2.5 | 2 | 0 | 1 | 9 | 94.94528929 | 94777 | 5.8 | 2.8 | 7.1 | 0 | 1 | $73.01 | 0 | 0 | 1 |
| 040-013426 | 129900 | 0.071578 | 1760 | 7 | 3 | 2.5 | 2 | 0 | 1 | 10 | 94.94528929 | 94777 | 5.8 | 2.8 | 7.1 | 0 | 1 | $73.81 | 0 | 0 | 1 |
| 040-013427 | 134300 | 0.063999 | 1760 | 6 | 3 | 2.5 | 2 | 0 | 1 | 8 | 94.94528929 | 94777 | 5.8 | 2.8 | 7.1 | 0 | 1 | $76.31 | 0 | 0 | 1 |
| 040-013429 | 130500 | 0.067565 | 1760 | 7 | 3 | 2.5 | 2 | 0 | 1 | 10 | 94.94528929 | 94777 | 5.8 | 2.8 | 7.1 | 0 | 1 | $74.15 | 0 | 0 | 1 |
| 040-013508 | 175200 | 0.076045 | 2187 | 6 | 3 | 2.5 | 2 | 0 | 1 | 6 | 94.94528929 | 94777 | 5.8 | 2.8 | 7.1 | 0 | 1 | $80.11 | 0 | 0 | 1 |
| 040-012982 | 130600 | 0.068262 | 1760 | 5 | 3 | 2.5 | 2 | 0 | 1 | 10 | 94.94528929 | 94777 | 5.8 | 2.8 | 7.1 | 0 | 1 | $74.20 | 0 | 0 | 1 |
| 040-012965 | 133500 | 0.067064 | 1760 | 6 | 3 | 2.5 | 2 | 0 | 1 | 9 | 94.94528929 | 94777 | 5.8 | 2.8 | 7.1 | 0 | 1 | $75.85 | 0 | 0 | 1 |
| 040-012973 | 131800 | 0.066851 | 1760 | 6 | 3 | 2.5 | 2 | 0 | 1 | 9 | 94.94528929 | 94777 | 5.8 | 2.8 | 7.1 | 0 | 1 | $74.89 | 0 | 0 | 1 |
| 040-012967 | 138500 | 0.078019 | 1760 | 5 | 3 | 2.5 | 2 | 0 | 1 | 7 | 94.94528929 | 94777 | 5.8 | 2.8 | 7.1 | 0 | 1 | $78.69 | 0 | 0 | 1 |
| 040-012970 | 141800 | 0.081434 | 1900 | 5 | 3 | 2.5 | 2 | 0 | 1 | 10 | 94.94528929 | 94777 | 5.8 | 2.8 | 7.1 | 0 | 1 | $74.63 | 0 | 0 | 1 |
| 040-012971 | 136900 | 0.08136 | 1760 | 5 | 3 | 2.5 | 2 | 0 | 1 | 7 | 94.94528929 | 94777 | 5.8 | 2.8 | 7.1 | 0 | 1 | $77.78 | 0 | 0 | 1 |
| 040-012974 | 140400 | 0.081289 | 1900 | 5 | 3 | 2.5 | 2 | 0 | 1 | 9 | 94.94528929 | 94777 | 5.8 | 2.8 | 7.1 | 0 | 1 | $73.89 | 0 | 0 | 1 |
| 040-013417 | 137800 | 0.081331 | 1760 | 5 | 3 | 2.5 | 2 | 0 | 1 | 7 | 94.94528929 | 94777 | 5.8 | 2.8 | 7.1 | 0 | 1 | $78.30 | 0 | 0 | 1 |
| 040-013420 | 141500 | 0.081612 | 1760 | 6 | 3 | 2.5 | 2 | 0 | 1 | 8 | 94.94528929 | 94777 | 5.8 | 2.8 | 7.1 | 0 | 1 | $80.40 | 0 | 0 | 1 |
| 040-013421 | 141300 | 0.081242 | 1900 | 7 | 4 | 2.5 | 2 | 0 | 1 | 10 | 94.94528929 | 94777 | 5.8 | 2.8 | 7.1 | 0 | 1 | $74.37 | 0 | 0 | 1 |
| 040-013424 | 136400 | 0.081165 | 1760 | 6 | 3 | 2.5 | 2 | 0 | 1 | 9 | 94.94528929 | 94777 | 5.8 | 2.8 | 7.1 | 0 | 1 | $77.50 | 0 | 0 | 1 |
| 040-013425 | 141000 | 0.078823 | 1900 | 6 | 3 | 2.5 | 2 | 0 | 1 | 10 | 94.94528929 | 94777 | 5.8 | 2.8 | 7.1 | 0 | 1 | $74.21 | 0 | 0 | 1 |
| 040-013428 | 142500 | 0.080744 | 1760 | 6 | 3 | 2.5 | 2 | 0 | 1 | 8 | 94.94528929 | 94777 | 5.8 | 2.8 | 7.1 | 0 | 1 | $80.97 | 0 | 0 | 1 |
| 040-013477 | 186300 | 0.086279 | 2499 | 6 | 3 | 2.5 | 2 | 0 | 1 | 6 | 94.94528929 | 94777 | 5.8 | 2.8 | 7.1 | 0 | 1 | $74.55 | 0 | 0 | 1 |
| 040-013476 | 127600 | 0.081546 | 1194 | 5 | 3 | 2 | 1 | 0 | 1 | 6 | 94.94528929 | 94777 | 5.8 | 2.8 | 7.1 | 0 | 1 | $106.87 | 0 | 0 | 1 |
| 040-012966 | 137300 | 0.081446 | 1760 | 6 | 3 | 2.5 | 2 | 0 | 1 | 9 | 94.94528929 | 94777 | 5.8 | 2.8 | 7.1 | 0 | 1 | $78.01 | 0 | 0 | 1 |
| 040-012981 | 142700 | 0.082846 | 1900 | 5 | 3 | 2.5 | 2 | 0 | 1 | 10 | 94.94528929 | 94777 | 5.8 | 2.8 | 7.1 | 0 | 1 | $75.11 | 0 | 0 | 1 |
| 040-013487 | 174600 | 0.082596 | 2309 | 6 | 3 | 2.5 | 2 | 0 | 1 | 6 | 94.94528929 | 94777 | 5.8 | 2.8 | 7.1 | 0 | 1 | $75.62 | 0 | 0 | 1 |
| 040-013480 | 188300 | 0.086347 | 2326 | 5 | 3 | 2.5 | 2 | 0 | 1 | 6 | 94.94528929 | 94777 | 5.8 | 2.8 | 7.1 | 0 | 1 | $80.95 | 0 | 0 | 1 |
| 040-013486 | 176600 | 0.082143 | 2142 | 6 | 3 | 2.5 | 2 | 0 | 1 | 6 | 94.94528929 | 94777 | 5.8 | 2.8 | 7.1 | 0 | 1 | $82.45 | 0 | 0 | 1 |
| 040-012984 | 134600 | 0.089932 | 1760 | 6 | 3 | 2.5 | 2 | 0 | 1 | 8 | 94.94528929 | 94777 | 5.8 | 2.8 | 7.1 | 0 | 1 | $76.48 | 0 | 0 | 1 |
| 040-013475 | 171300 | 0.081874 | 2273 | 8 | 3 | 2.5 | 2 | 0 | 1 | 10 | 94.94528929 | 94777 | 5.8 | 2.8 | 7.1 | 0 | 1 | $75.36 | 0 | 0 | 1 |
| 040-013484 | 162200 | 0.086497 | 2610 | 8 | 3 | 2.5 | 2 | 0 | 1 | 10 | 94.94528929 | 94777 | 5.8 | 2.8 | 7.1 | 0 | 1 | $62.15 | 0 | 0 | 1 |
| 040-013489 | 131400 | 0.247824 | 1236 | 5 | 3 | 2 | 1 | 0 | 1 | 6 | 94.94528929 | 94777 | 5.8 | 2.8 | 7.1 | 0 | 1 | $106.31 | 0 | 0 | 1 |
| 040-013492 | 173400 | 0.082553 | 2447 | 6 | 3 | 2.5 | 2 | 0 | 1 | 6 | 94.94528929 | 94777 | 5.8 | 2.8 | 7.1 | 0 | 1 | $70.86 | 0 | 0 | 1 |
| 040-013464 | 170200 | 0.348732 | 2551 | 9 | 3 | 2.5 | 2 | 0 | 1 | 8 | 94.94528929 | 94777 | 5.8 | 2.8 | 7.1 | 0 | 1 | $66.72 | 0 | 0 | 1 |
| 040-013499 | 178600 | 0.240324 | 2308 | 9 | 3 | 2.5 | 2 | 0 | 1 | 7 | 94.94528929 | 94777 | 5.8 | 2.8 | 7.1 | 0 | 1 | $77.38 | 0 | 0 | 1 |
| 040-013502 | 172700 | 0.239997 | 2308 | 9 | 3 | 2.5 | 2 | 0 | 1 | 7 | 94.94528929 | 94777 | 5.8 | 2.8 | 7.1 | 0 | 1 | $74.83 | 0 | 0 | 1 |
| 040-013478 | 171300 | 0.090027 | 2229 | 6 | 3 | 2.5 | 2 | 0 | 1 | 6 | 94.94528929 | 94777 | 5.8 | 2.8 | 7.1 | 0 | 1 | $76.85 | 0 | 0 | 1 |
| 040-013509 | 194400 | 0.083003 | 2273 | 7 | 3 | 2.5 | 2 | 0 | 1 | 9 | 94.94528929 | 94777 | 5.8 | 2.8 | 7.1 | 0 | 1 | $85.53 | 0 | 0 | 1 |
| 040-013488 | 170800 | 0.086571 | 2407 | 6 | 3 | 2.5 | 2 | 0 | 1 | 6 | 94.94528929 | 94777 | 5.8 | 2.8 | 7.1 | 0 | 1 | $70.96 | 0 | 0 | 1 |
| 040-013468 | 163900 | 0.34405 | 2586 | 7 | 3 | 2.5 | 2 | 0 | 1 | 7 | 94.94528929 | 94777 | 5.8 | 2.8 | 7.1 | 0 | 1 | $63.38 | 0 | 0 | 1 |

# STATISTICAL SPREADSHEET MODEL

| PARCEL_ID | Total_Value | Lot_Size_Acres | Home_SF | Total_Rooms | Total_Bedrooms | Total_Baths | House_Stories | Basement | Garage | Age_of_Home | School_District_Rating | Neighborhood_Median_Income | Neighborhood_Percent_Vacant | Neighborhood_Unemployment_Rate | Neighborhood_Percent_Minority | Constructed_Noise_wall | Noise_Berm | Total Value/Sq Ft | Control | Wall | Berm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 040-013472 | 161800 | 0.081466 | 2586 | 7 | 3 | 2.5 | 2 | 0 | 1 | 7 | 94.94528929 | 94777 | 5.8 | 2.8 | 7.1 | 0 | 1 | $62.57 | 0 | 0 | 1 |
| 040-013473 | 173300 | 0.573374 | 2308 | 9 | 3 | 2.5 | 2 | 0 | 1 | 7 | 94.94528929 | 94777 | 5.8 | 2.8 | 7.1 | 0 | 1 | $75.09 | 0 | 0 | 1 |
| 040-012986 | 181900 | 0.082591 | 2308 | 9 | 3 | 2.5 | 2 | 0 | 1 | 7 | 94.94528929 | 94777 | 5.8 | 2.8 | 7.1 | 0 | 1 | $78.81 | 0 | 0 | 1 |
| 040-012987 | 160100 | 0.082591 | 2690 | 8 | 3 | 2.5 | 2 | 0 | 1 | 10 | 94.94528929 | 94777 | 5.8 | 2.8 | 7.1 | 0 | 1 | $59.52 | 0 | 0 | 1 |
| 040-012988 | 175000 | 0.082589 | 2273 | 8 | 3 | 2.5 | 2 | 0 | 1 | 10 | 94.94528929 | 94777 | 5.8 | 2.8 | 7.1 | 0 | 1 | $76.99 | 0 | 0 | 1 |
| 040-013481 | 169200 | 0.097054 | 2251 | 6 | 3 | 2.5 | 2 | 0 | 1 | 10 | 94.94528929 | 94777 | 5.8 | 2.8 | 7.1 | 0 | 1 | $75.17 | 0 | 0 | 1 |
| 040-013505 | 165700 | 0.242141 | 2610 | 8 | 3 | 2.5 | 2 | 0 | 1 | 9 | 94.94528929 | 94777 | 5.8 | 2.8 | 7.1 | 0 | 1 | $63.49 | 0 | 0 | 1 |
| 040-013001 | 165600 | 0.002417 | 2088 | 6 | 3 | 2.5 | 2 | 0 | 1 | 11 | 94.94528929 | 94777 | 5.8 | 2.8 | 7.1 | 0 | 1 | $79.31 | 0 | 0 | 1 |
| 040-013479 | 166200 | 0.08624 | 2308 | 9 | 3 | 2.5 | 2 | 0 | 1 | 7 | 94.94528929 | 94777 | 5.8 | 2.8 | 7.1 | 0 | 1 | $72.01 | 0 | 0 | 1 |
| 040-013485 | 178800 | 0.081869 | 2308 | 9 | 3 | 2.5 | 2 | 0 | 1 | 7 | 94.94528929 | 94777 | 5.8 | 2.8 | 7.1 | 0 | 1 | $77.47 | 0 | 0 | 1 |
| 040-013444 | 168300 | 0.089973 | 2308 | 9 | 3 | 2.5 | 2 | 0 | 1 | 7 | 94.94528929 | 94777 | 5.8 | 2.8 | 7.1 | 0 | 1 | $72.92 | 0 | 0 | 1 |
| 040-013493 | 167700 | 0.161045 | 2610 | 7 | 3 | 2.5 | 2 | 0 | 1 | 10 | 94.94528929 | 94777 | 5.8 | 2.8 | 7.1 | 0 | 1 | $64.25 | 0 | 0 | 1 |
| 040-013495 | 167700 | 0.082553 | 2610 | 8 | 3 | 2.5 | 2 | 0 | 1 | 9 | 94.94528929 | 94777 | 5.8 | 2.8 | 7.1 | 0 | 1 | $64.25 | 0 | 0 | 1 |
| 040-013496 | 181200 | 0.24806 | 2381 | 7 | 3 | 2.5 | 2 | 0 | 1 | 7 | 94.94528929 | 94777 | 5.8 | 2.8 | 7.1 | 0 | 1 | $76.10 | 0 | 0 | 1 |
| 040-013443 | 180100 | 0.089039 | 1994 | 7 | 3 | 2.5 | 2 | 0 | 1 | 7 | 94.94528929 | 94777 | 5.8 | 2.8 | 7.1 | 0 | 1 | $90.32 | 0 | 0 | 1 |
| 040-013003 | 140400 | 0.000409 | 1255 | 5 | 3 | 1 | 1 | 0 | 1 | 11 | 94.94528929 | 94777 | 5.8 | 2.8 | 7.1 | 0 | 1 | $111.87 | 0 | 0 | 1 |
| 040-012996 | 173500 | 0.095039 | 2251 | 7 | 3 | 2.5 | 2 | 0 | 1 | 10 | 94.94528929 | 94777 | 5.8 | 2.8 | 7.1 | 0 | 1 | $77.08 | 0 | 0 | 1 |
| 040-013430 | 144000 | 0.083446 | 1900 | 6 | 3 | 2.5 | 2 | 0 | 1 | 10 | 94.94528929 | 94777 | 5.8 | 2.8 | 7.1 | 0 | 1 | $75.79 | 0 | 0 | 1 |
| 040-012995 | 168800 | 0.085192 | 2610 | 6 | 3 | 2.5 | 2 | 0 | 1 | 11 | 94.94528929 | 94777 | 5.8 | 2.8 | 7.1 | 0 | 1 | $64.67 | 0 | 0 | 1 |
| 040-013445 | 178000 | 0.098464 | 2610 | 8 | 3 | 2.5 | 2 | 0 | 1 | 10 | 94.94528929 | 94777 | 5.8 | 2.8 | 7.1 | 0 | 1 | $68.20 | 0 | 0 | 1 |
| 040-013446 | 179800 | 0.101397 | 2273 | 8 | 3 | 2.5 | 2 | 0 | 1 | 10 | 94.94528929 | 94777 | 5.8 | 2.8 | 7.1 | 0 | 1 | $79.10 | 0 | 0 | 1 |
| 040-013451 | 134200 | 0.108016 | 1215 | 5 | 2 | 2 | 1 | 0 | 1 | 10 | 94.94528929 | 94777 | 5.8 | 2.8 | 7.1 | 0 | 1 | $110.45 | 0 | 0 | 1 |
| 040-013449 | 170500 | 0.110136 | 2610 | 8 | 3 | 2.5 | 2 | 0 | 1 | 10 | 94.94528929 | 94777 | 5.8 | 2.8 | 7.1 | 0 | 1 | $65.33 | 0 | 0 | 1 |
| 040-013447 | 171800 | 0.105018 | 2610 | 8 | 3 | 2.5 | 2 | 0 | 1 | 10 | 94.94528929 | 94777 | 5.8 | 2.8 | 7.1 | 0 | 1 | $65.82 | 0 | 0 | 1 |
| 040-012989 | 171900 | 0.092285 | 2610 | 6 | 3 | 2.5 | 2 | 0 | 1 | 11 | 94.94528929 | 94777 | 5.8 | 2.8 | 7.1 | 0 | 1 | $65.86 | 0 | 0 | 1 |
| 040-012990 | 179500 | 0.091165 | 2275 | 8 | 3 | 2.5 | 2 | 0 | 1 | 11 | 94.94528929 | 94777 | 5.8 | 2.8 | 7.1 | 0 | 1 | $78.90 | 0 | 0 | 1 |
| 040-012991 | 171900 | 0.092158 | 2610 | 8 | 3 | 2.5 | 2 | 0 | 1 | 10 | 94.94528929 | 94777 | 5.8 | 2.8 | 7.1 | 0 | 1 | $65.86 | 0 | 0 | 1 |
| 040-012992 | 180900 | 0.090805 | 2045 | 7 | 3 | 2.5 | 2 | 0 | 1 | 7 | 94.94528929 | 94777 | 5.8 | 2.8 | 7.1 | 0 | 1 | $88.46 | 0 | 0 | 1 |
| 040-012993 | 180800 | 0.091337 | 2273 | 8 | 3 | 2.5 | 2 | 0 | 1 | 10 | 94.94528929 | 94777 | 5.8 | 2.8 | 7.1 | 0 | 1 | $79.54 | 0 | 0 | 1 |
| 040-013448 | 164400 | 0.113527 | 2273 | 9 | 4 | 2.5 | 2 | 0 | 1 | 10 | 94.94528929 | 94777 | 5.8 | 2.8 | 7.1 | 0 | 1 | $72.33 | 0 | 0 | 1 |
| 040-013450 | 180200 | 0.115211 | 2261 | 8 | 3 | 2.5 | 2 | 0 | 1 | 10 | 94.94528929 | 94777 | 5.8 | 2.8 | 7.1 | 0 | 1 | $79.70 | 0 | 0 | 1 |
| 040-013442 | 188400 | 0.086409 | 2492 | 8 | 3 | 2.5 | 2 | 0 | 1 | 9 | 94.94528929 | 94777 | 5.8 | 2.8 | 7.1 | 0 | 1 | $75.60 | 0 | 0 | 1 |
| 040-012985 | 185300 | 0.081519 | 1982 | 7 | 3 | 2.5 | 2 | 0 | 1 | 7 | 94.94528929 | 94777 | 5.8 | 2.8 | 7.1 | 0 | 1 | $93.49 | 0 | 0 | 1 |
| 040-012994 | 176300 | 0.096391 | 2690 | 7 | 3 | 2.5 | 2 | 0 | 1 | 10 | 94.94528929 | 94777 | 5.8 | 2.8 | 7.1 | 0 | 1 | $65.54 | 0 | 0 | 1 |
| 040-013440 | 212000 | 0.105607 | 2336 | 7 | 4 | 2.5 | 2 | 1 | 1 | 10 | 94.94528929 | 94777 | 5.8 | 2.8 | 7.1 | 0 | 1 | $90.75 | 0 | 0 | 1 |
| 040-013441 | 189800 | 0.103254 | 1954 | 7 | 4 | 2.5 | 2 | 1 | 1 | 9 | 94.94528929 | 94777 | 5.8 | 2.8 | 7.1 | 0 | 1 | $97.13 | 0 | 0 | 1 |
| 040-013438 | 185100 | 0.120097 | 1866 | 7 | 3 | 2.5 | 2 | 1 | 1 | 10 | 94.94528929 | 94777 | 5.8 | 2.8 | 7.1 | 0 | 1 | $99.20 | 0 | 0 | 1 |
| 040-013439 | 198600 | 0.111699 | 2276 | 9 | 4 | 2.5 | 2 | 1 | 1 | 8 | 94.94528929 | 94777 | 5.8 | 2.8 | 7.1 | 0 | 1 | $87.26 | 0 | 0 | 1 |
| 040-013437 | 182400 | 0.13208 | 1473 | 5 | 3 | 2 | 1 | 1 | 1 | 9 | 94.94528929 | 94777 | 5.8 | 2.8 | 7.1 | 0 | 1 | $123.83 | 0 | 0 | 1 |
| 040-013436 | 212700 | 0.156292 | 2184 | 7 | 3 | 2.5 | 2 | 1 | 1 | 10 | 94.94528929 | 94777 | 5.8 | 2.8 | 7.1 | 0 | 1 | $97.39 | 0 | 0 | 1 |
| 040-013431 | 206500 | 0.227258 | 1998 | 7 | 4 | 2.5 | 2 | 1 | 1 | 9 | 94.94528929 | 94777 | 5.8 | 2.8 | 7.1 | 0 | 1 | $103.35 | 0 | 0 | 1 |
| 040-013432 | 244800 | 0.225041 | 2642 | 7 | 3 | 2.5 | 2 | 1 | 1 | 9 | 94.94528929 | 94777 | 5.8 | 2.8 | 7.1 | 0 | 1 | $92.66 | 0 | 0 | 1 |
| 040-013433 | 207200 | 0.260498 | 1976 | 7 | 3 | 2.5 | 2 | 1 | 1 | 9 | 94.94528929 | 94777 | 5.8 | 2.8 | 7.1 | 0 | 1 | $104.86 | 0 | 0 | 1 |
| 040-013434 | 182100 | 0.240039 | 1535 | 5 | 3 | 2 | 1 | 1 | 1 | 9 | 94.94528929 | 94777 | 5.8 | 2.8 | 7.1 | 0 | 1 | $118.63 | 0 | 0 | 1 |
| 040-013435 | 199400 | 0.189364 | 2214 | 7 | 3 | 2.5 | 2 | 1 | 1 | 8 | 94.94528929 | 94777 | 5.8 | 2.8 | 7.1 | 0 | 1 | $90.06 | 0 | 0 | 1 |
| 160-001882 | 125700 | 0.692914 | 1296 | 5 | 3 | 1.5 | 1 | 1 | 1 | 53 | 94.94528929 | 94777 | 5.8 | 2.8 | 7.1 | 0 | 0 | $96.99 | 1 | 0 | 0 |
| 040-014251 | 120800 | 0.073245 | 1392 | 5 | 3 | 2 | 1 | 0 | 1 | 5 | 94.94528929 | 94777 | 5.8 | 2.8 | 7.1 | 0 | 1 | $86.78 | 0 | 0 | 1 |
| 160-002199 | 145600 | 0.529076 | 1630 | 7 | 3 | 2 | 1 | 1 | 1 | 47 | 94.94528929 | 94777 | 5.8 | 2.8 | 7.1 | 0 | 0 | $89.33 | 1 | 0 | 0 |
| 040-012964 | 131500 | 0.066352 | 1760 | 5 | 3 | 2.5 | 2 | 0 | 1 | 10 | 94.94528929 | 94777 | 5.8 | 2.8 | 7.1 | 0 | 1 | $74.72 | 0 | 0 | 1 |
| 040-012963 | 146300 | 0.089918 | 1900 | 5 | 3 | 2.5 | 2 | 0 | 1 | 10 | 94.94528929 | 94777 | 5.8 | 2.8 | 7.1 | 0 | 1 | $77.00 | 0 | 0 | 1 |
| 160-001959 | 157300 | 0.513143 | 1274 | 8 | 4 | 2 | 1 | 1 | 1 | 50 | 94.94528929 | 94777 | 5.8 | 2.8 | 7.1 | 0 | 0 | $123.47 | 1 | 0 | 0 |
| 040-005752 | 163000 | 0.221743 | 1869 | 8 | 4 | 2.5 | 2 | 1 | 1 | 29 | 94.94528929 | 94777 | 5.8 | 2.8 | 7.1 | 1 | 0 | $87.21 | 0 | 1 | 0 |
| 160-001957 | 160100 | 0.59954 | 1318 | 8 | 4 | 1.5 | 1 | 1 | 1 | 49 | 94.94528929 | 94777 | 5.8 | 2.8 | 7.1 | 0 | 0 | $121.47 | 1 | 0 | 0 |
| 040-009361 | 182000 | 0.278908 | 1860 | 7 | 4 | 2.5 | 2 | 1 | 1 | 18 | 94.94528929 | 94777 | 5.8 | 2.8 | 7.1 | 1 | 0 | $97.85 | 0 | 1 | 0 |
| 040-005735 | 165600 | 0.214756 | 1764 | 6 | 3 | 2.5 | 2 | 1 | 1 | 30 | 94.94528929 | 94777 | 5.8 | 2.8 | 7.1 | 1 | 0 | $93.88 | 0 | 1 | 0 |
| 160-001962 | 165700 | 0.000109 | 2201 | 7 | 4 | 2 | 1.5 | 1 | 1 | 49 | 94.94528929 | 94777 | 5.8 | 2.8 | 7.1 | 0 | 0 | $75.28 | 1 | 0 | 0 |
| 160-001975 | 165500 | 0.457161 | 1248 | 7 | 3 | 2 | 1 | 1 | 1 | 49 | 94.94528929 | 94777 | 5.8 | 2.8 | 7.1 | 0 | 0 | $132.61 | 1 | 0 | 0 |
| 040-005734 | 178800 | 0.25212 | 2080 | 7 | 3 | 2 | 2 | 1 | 1 | 35 | 94.94528929 | 94777 | 5.8 | 2.8 | 7.1 | 1 | 0 | $85.96 | 0 | 1 | 0 |
| 040-005725 | 170600 | 0.260499 | 2003 | 8 | 4 | 2.5 | 2 | 1 | 1 | 36 | 94.94528929 | 94777 | 5.8 | 2.8 | 7.1 | 1 | 0 | $85.17 | 0 | 1 | 0 |
| 040-005732 | 169300 | 0.255404 | 2046 | 8 | 4 | 2.5 | 2 | 1 | 1 | 35 | 94.94528929 | 94777 | 5.8 | 2.8 | 7.1 | 1 | 0 | $82.75 | 0 | 1 | 0 |
| 040-014413 | 153900 | 0.080544 | 1832 | 5 | 3 | 2.5 | 2 | 0 | 1 | 7 | 94.94528929 | 94777 | 5.8 | 2.8 | 7.1 | 0 | 1 | $84.01 | 0 | 0 | 1 |
| 160-002200 | 167000 | 0.52851 | 1473 | 6 | 3 | 2 | 1 | 1 | 1 | 47 | 94.94528929 | 94777 | 5.8 | 2.8 | 7.1 | 0 | 0 | $113.37 | 1 | 0 | 0 |
| 160-002236 | 167600 | 0.003125 | 1776 | 7 | 3 | 2.5 | 1 | 1 | 1 | 45 | 94.94528929 | 94777 | 5.8 | 2.8 | 7.1 | 1 | 0 | $94.37 | 0 | 1 | 0 |
| 160-001958 | 166400 | 0.526162 | 1560 | 6 | 3 | 2 | 1 | 1 | 1 | 48 | 94.94528929 | 94777 | 5.8 | 2.8 | 7.1 | 0 | 0 | $106.67 | 1 | 0 | 0 |
| 040-014421 | 155600 | 0.075913 | 1830 | 6 | 3 | 2.5 | 2 | 0 | 1 | 8 | 94.94528929 | 94777 | 5.8 | 2.8 | 7.1 | 0 | 1 | $85.03 | 0 | 0 | 1 |
| 040-014428 | 166600 | 0.108684 | 1838 | 6 | 3 | 2.5 | 2 | 0 | 1 | 8 | 94.94528929 | 94777 | 5.8 | 2.8 | 7.1 | 0 | 1 | $90.64 | 0 | 0 | 1 |
| 040-005753 | 173600 | 0.208979 | 1848 | 7 | 3 | 2.5 | 2 | 1 | 1 | 30 | 94.94528929 | 94777 | 5.8 | 2.8 | 7.1 | 1 | 0 | $93.94 | 0 | 1 | 0 |
| 160-002203 | 166600 | 0.469609 | 1512 | 7 | 3 | 3 | 1 | 1 | 1 | 50 | 94.94528929 | 94777 | 5.8 | 2.8 | 7.1 | 0 | 0 | $110.19 | 1 | 0 | 0 |
| 040-014414 | 156600 | 0.080413 | 1916 | 6 | 3 | 2.5 | 2 | 0 | 1 | 7 | 94.94528929 | 94777 | 5.8 | 2.8 | 7.1 | 0 | 1 | $81.73 | 0 | 0 | 1 |
| 040-005729 | 174200 | 0.260541 | 1854 | 7 | 4 | 2.5 | 2 | 1 | 1 | 30 | 94.94528929 | 94777 | 5.8 | 2.8 | 7.1 | 1 | 0 | $93.96 | 0 | 1 | 0 |
| 040-005751 | 174500 | 0.223212 | 2034 | 8 | 4 | 2.5 | 2 | 1 | 1 | 30 | 94.94528929 | 94777 | 5.8 | 2.8 | 7.1 | 1 | 0 | $85.79 | 0 | 1 | 0 |
| 040-014424 | 157400 | 0.080647 | 1838 | 6 | 3 | 2.5 | 2 | 0 | 1 | 8 | 94.94528929 | 94777 | 5.8 | 2.8 | 7.1 | 0 | 1 | $85.64 | 0 | 0 | 1 |
| 040-014422 | 157800 | 0.083098 | 1838 | 6 | 3 | 2.5 | 2 | 0 | 1 | 8 | 94.94528929 | 94777 | 5.8 | 2.8 | 7.1 | 0 | 1 | $85.85 | 0 | 0 | 1 |
| 040-014152 | 193000 | 0.149563 | 1739 | 6 | 4 | 2.5 | 2 | 1 | 1 | 7 | 94.94528929 | 94777 | 5.8 | 2.8 | 7.1 | 0 | 1 | $110.98 | 0 | 0 | 1 |
| 040-014415 | 158700 | 0.079163 | 1830 | 7 | 3 | 2.5 | 2 | 0 | 1 | 8 | 94.94528929 | 94777 | 5.8 | 2.8 | 7.1 | 0 | 1 | $86.72 | 0 | 0 | 1 |
| 040-013510 | 166600 | 0.085805 | 2610 | 8 | 3 | 2.5 | 2 | 0 | 1 | 10 | 94.94528929 | 94777 | 5.8 | 2.8 | 7.1 | 0 | 1 | $63.83 | 0 | 0 | 1 |

# STATISTICAL SPREADSHEET MODEL

| PARCEL_ID | Total_Value | Lot_Size_Acres | Home_SF | Total_Rooms | Total_Bedrooms | Total_Baths | House_Stories | Basement | Garage | Age_of_Home | School_District_Rating | Neighborhood_Median_Income | Neighborhood_Percent_Vacant | Neighborhood_Unemployment_Rate | Neighborhood_Percent_Minority | Constructed_Noise_wall | Noise_Berm | Total Value/Sq Ft | Control | Wall | Berm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 040-005724 | 176700 | 0.260418 | 2016 | 7 | 4 | 2.5 | 2 | 1 | 1 | 36 | 94.94528929 | 94777 | 5.8 | 2.8 | 7.1 | 1 | 0 | $87.65 | 0 | 1 | 0 |
| 040-014418 | 159700 | 0.080181 | 1830 | 6 | 3 | 2.5 | 2 | 0 | 1 | 8 | 94.94528929 | 94777 | 5.8 | 2.8 | 7.1 | 0 | 1 | $87.27 | 0 | 0 | 1 |
| 040-014425 | 160100 | 0.076319 | 1830 | 6 | 3 | 2.5 | 2 | 0 | 1 | 8 | 94.94528929 | 94777 | 5.8 | 2.8 | 7.1 | 0 | 1 | $87.49 | 0 | 0 | 1 |
| 040-014423 | 161300 | 0.079444 | 1830 | 6 | 3 | 2.5 | 2 | 0 | 1 | 8 | 94.94528929 | 94777 | 5.8 | 2.8 | 7.1 | 0 | 1 | $88.14 | 0 | 0 | 1 |
| 160-002204 | 169500 | 0.463599 | 1232 | 7 | 4 | 2 | 1 | 1 | 1 | 47 | 94.94528929 | 94777 | 5.8 | 2.8 | 7.1 | 0 | 0 | $137.58 | 1 | 0 | 0 |
| 040-014153 | 196100 | 0.144097 | 2189 | 7 | 3 | 2.5 | 2 | 1 | 1 | 7 | 94.94528929 | 94777 | 5.8 | 2.8 | 7.1 | 0 | 1 | $89.58 | 0 | 0 | 1 |
| 040-014426 | 162200 | 0.079637 | 1838 | 6 | 3 | 2.5 | 2 | 0 | 1 | 8 | 94.94528929 | 94777 | 5.8 | 2.8 | 7.1 | 0 | 1 | $88.25 | 0 | 0 | 1 |
| 040-014420 | 162400 | 0.07859 | 1838 | 6 | 3 | 2.5 | 2 | 0 | 1 | 8 | 94.94528929 | 94777 | 5.8 | 2.8 | 7.1 | 0 | 1 | $88.36 | 0 | 0 | 1 |
| 040-014427 | 162500 | 0.080843 | 1870 | 6 | 3 | 2.5 | 2 | 0 | 1 | 8 | 94.94528929 | 94777 | 5.8 | 2.8 | 7.1 | 0 | 1 | $86.90 | 0 | 0 | 1 |
| 040-014419 | 162700 | 0.079547 | 1870 | 6 | 3 | 2.5 | 2 | 0 | 1 | 8 | 94.94528929 | 94777 | 5.8 | 2.8 | 7.1 | 0 | 1 | $87.01 | 0 | 0 | 1 |
| 160-002195 | 174900 | 0.434068 | 1851 | 7 | 3 | 2 | 1 | 1 | 1 | 48 | 94.94528929 | 94777 | 5.8 | 2.8 | 7.1 | 0 | 0 | $94.49 | 1 | 0 | 0 |
| 040-005720 | 182600 | 0.007828 | 2153 | 8 | 4 | 2.5 | 2 | 1 | 1 | 35 | 94.94528929 | 94777 | 5.8 | 2.8 | 7.1 | 1 | 0 | $84.81 | 0 | 1 | 0 |
| 040-005742 | 187400 | 0.774846 | 2003 | 8 | 4 | 2.5 | 2 | 1 | 1 | 36 | 94.94528929 | 94777 | 5.8 | 2.8 | 7.1 | 1 | 0 | $93.56 | 0 | 1 | 0 |
| 040-005731 | 180400 | 0.251833 | 1970 | 6 | 3 | 2 | 1 | 1 | 1 | 28 | 94.94528929 | 94777 | 5.8 | 2.8 | 7.1 | 1 | 0 | $91.57 | 0 | 1 | 0 |
| 040-005728 | 180000 | 0.256175 | 3000 | 7 | 3 | 1.5 | 1 | 1 | 1 | 30 | 94.94528929 | 94777 | 5.8 | 2.8 | 7.1 | 1 | 0 | $60.00 | 0 | 1 | 0 |
| 040-005727 | 182900 | 0.259157 | 2003 | 7 | 4 | 2.5 | 2 | 1 | 1 | 36 | 94.94528929 | 94777 | 5.8 | 2.8 | 7.1 | 1 | 0 | $91.31 | 0 | 1 | 0 |
| 160-001881 | 178000 | 0.544516 | 1723 | 7 | 3 | 2 | 1 | 1 | 1 | 47 | 94.94528929 | 94777 | 5.8 | 2.8 | 7.1 | 0 | 0 | $103.31 | 1 | 0 | 0 |
| 160-002209 | 171500 | 0.452673 | 1785 | 6 | 3 | 2 | 1 | 1 | 1 | 46 | 94.94528929 | 94777 | 5.8 | 2.8 | 7.1 | 0 | 0 | $96.08 | 1 | 0 | 0 |
| 040-005726 | 183800 | 0.24005 | 2152 | 7 | 3 | 2.5 | 2 | 1 | 1 | 32 | 94.94528929 | 94777 | 5.8 | 2.8 | 7.1 | 1 | 0 | $85.41 | 0 | 1 | 0 |
| 040-014416 | 166400 | 0.08157 | 1956 | 6 | 3 | 3 | 2 | 0 | 1 | 8 | 94.94528929 | 94777 | 5.8 | 2.8 | 7.1 | 0 | 1 | $85.07 | 0 | 0 | 1 |
| 040-014154 | 201300 | 0.000136 | 2443 | 8 | 4 | 2.5 | 2 | 1 | 1 | 7 | 94.94528929 | 94777 | 5.8 | 2.8 | 7.1 | 0 | 1 | $82.40 | 0 | 0 | 1 |
| 040-013511 | 172400 | 0.08663 | 2273 | 8 | 3 | 2.5 | 2 | 0 | 1 | 10 | 94.94528929 | 94777 | 5.8 | 2.8 | 7.1 | 0 | 1 | $75.85 | 0 | 0 | 1 |
| 160-001973 | 178200 | 0.453762 | 2091 | 8 | 4 | 2.5 | 2 | 1 | 1 | 50 | 94.94528929 | 94777 | 5.8 | 2.8 | 7.1 | 0 | 0 | $85.22 | 1 | 0 | 0 |
| 040-009397 | 204300 | 0.321916 | 1912 | 6 | 3 | 2 | 1 | 1 | 1 | 19 | 94.94528929 | 94777 | 5.8 | 2.8 | 7.1 | 1 | 0 | $106.85 | 0 | 1 | 0 |
| 040-005737 | 185100 | 0.250568 | 2138 | 8 | 4 | 2.5 | 2 | 1 | 1 | 30 | 94.94528929 | 94777 | 5.8 | 2.8 | 7.1 | 1 | 0 | $86.58 | 0 | 1 | 0 |
| 040-014417 | 168700 | 0.080078 | 1838 | 6 | 3 | 2.5 | 2 | 0 | 1 | 8 | 94.94528929 | 94777 | 5.8 | 2.8 | 7.1 | 0 | 1 | $91.78 | 0 | 0 | 1 |
| 040-005741 | 191500 | 0.400924 | 2136 | 8 | 4 | 2.5 | 2 | 1 | 1 | 31 | 94.94528929 | 94777 | 5.8 | 2.8 | 7.1 | 1 | 0 | $89.65 | 0 | 1 | 0 |
| 040-009389 | 213600 | 0.402696 | 1923 | 7 | 3 | 2.5 | 1 | 1 | 1 | 19 | 94.94528929 | 94777 | 5.8 | 2.8 | 7.1 | 1 | 0 | $111.08 | 0 | 1 | 0 |
| 040-005746 | 189600 | 0.24688 | 2392 | 9 | 4 | 2.5 | 2 | 1 | 1 | 30 | 94.94528929 | 94777 | 5.8 | 2.8 | 7.1 | 1 | 0 | $79.26 | 0 | 1 | 0 |
| 160-002196 | 185600 | 0.450831 | 2052 | 7 | 3 | 2 | 1 | 1 | 1 | 46 | 94.94528929 | 94777 | 5.8 | 2.8 | 7.1 | 0 | 0 | $90.45 | 1 | 0 | 0 |
| 040-005747 | 190800 | 0.255248 | 2638 | 8 | 3 | 2.5 | 2 | 1 | 1 | 29 | 94.94528929 | 94777 | 5.8 | 2.8 | 7.1 | 1 | 0 | $72.33 | 0 | 1 | 0 |
| 040-005736 | 198800 | 0.446922 | 2329 | 8 | 4 | 3 | 1 | 1 | 1 | 29 | 94.94528929 | 94777 | 5.8 | 2.8 | 7.1 | 1 | 0 | $85.36 | 0 | 1 | 0 |
| 040-007928 | 202300 | 0.230868 | 1890 | 6 | 3 | 2 | 1 | 1 | 1 | 20 | 94.94528929 | 94777 | 5.8 | 2.8 | 7.1 | 1 | 0 | $107.04 | 0 | 1 | 0 |
| 040-007930 | 202600 | 0.22829 | 1874 | 7 | 3 | 2.5 | 1 | 1 | 1 | 20 | 94.94528929 | 94777 | 5.8 | 2.8 | 7.1 | 1 | 0 | $108.11 | 0 | 1 | 0 |
| 040-009367 | 208200 | 0.279714 | 2789 | 9 | 5 | 3.5 | 2 | 1 | 1 | 17 | 94.94528929 | 94777 | 5.8 | 2.8 | 7.1 | 1 | 0 | $74.65 | 0 | 1 | 0 |
| 040-005745 | 191800 | 0.248075 | 2084 | 8 | 3 | 2.5 | 2 | 1 | 1 | 30 | 94.94528929 | 94777 | 5.8 | 2.8 | 7.1 | 1 | 0 | $92.03 | 0 | 1 | 0 |
| 040-005748 | 197900 | 0.339569 | 2189 | 6 | 3 | 3 | 1 | 1 | 1 | 30 | 94.94528929 | 94777 | 5.8 | 2.8 | 7.1 | 1 | 0 | $90.41 | 0 | 1 | 0 |
| 160-001961 | 189700 | 0.517742 | 1600 | 7 | 3 | 3 | 1 | 1 | 1 | 49 | 94.94528929 | 94777 | 5.8 | 2.8 | 7.1 | 0 | 0 | $118.56 | 1 | 0 | 0 |
| 040-007889 | 214800 | 0.324538 | 2048 | 7 | 3 | 2 | 1 | 1 | 1 | 23 | 94.94528929 | 94777 | 5.8 | 2.8 | 7.1 | 1 | 0 | $104.88 | 0 | 1 | 0 |
| 040-006929 | 210700 | 0.551104 | 1669 | 8 | 3 | 2.5 | 1 | 1 | 1 | 27 | 94.94528929 | 94777 | 5.8 | 2.8 | 7.1 | 1 | 0 | $126.24 | 0 | 1 | 0 |
| 160-002202 | 194500 | 0.529016 | 2200 | 7 | 3 | 2.5 | 2 | 1 | 1 | 43 | 94.94528929 | 94777 | 5.8 | 2.8 | 7.1 | 0 | 0 | $88.41 | 1 | 0 | 0 |
| 160-002198 | 198500 | 1.223583 | 1759 | 6 | 3 | 2 | 1 | 1 | 1 | 43 | 94.94528929 | 94777 | 5.8 | 2.8 | 7.1 | 0 | 0 | $112.85 | 1 | 0 | 0 |
| 040-014250 | 181800 | 0.066713 | 2229 | 6 | 3 | 2.5 | 2 | 0 | 1 | 6 | 94.94528929 | 94777 | 5.8 | 2.8 | 7.1 | 0 | 1 | $81.56 | 0 | 0 | 1 |
| 160-002205 | 193600 | 0.496715 | 1705 | 7 | 4 | 2 | 1 | 1 | 1 | 46 | 94.94528929 | 94777 | 5.8 | 2.8 | 7.1 | 0 | 0 | $113.55 | 1 | 0 | 0 |
| 040-005738 | 200900 | 0.278957 | 2600 | 8 | 3 | 3 | 1.5 | 1 | 1 | 30 | 94.94528929 | 94777 | 5.8 | 2.8 | 7.1 | 1 | 0 | $77.27 | 0 | 1 | 0 |
| 160-002210 | 190800 | 0.455893 | 1991 | 7 | 3 | 2.5 | 1 | 1 | 1 | 44 | 94.94528929 | 94777 | 5.8 | 2.8 | 7.1 | 0 | 0 | $95.83 | 1 | 0 | 0 |
| 040-005749 | 203700 | 0.320903 | 2175 | 8 | 3 | 2.5 | 2 | 1 | 1 | 30 | 94.94528929 | 94777 | 5.8 | 2.8 | 7.1 | 1 | 0 | $93.66 | 0 | 1 | 0 |
| 040-005721 | 200200 | 0.251684 | 1720 | 5 | 3 | 2.5 | 1 | 1 | 1 | 32 | 94.94528929 | 94777 | 5.8 | 2.8 | 7.1 | 1 | 0 | $116.40 | 0 | 1 | 0 |
| 040-009364 | 221300 | 0.362164 | 1925 | 7 | 3 | 2 | 1 | 1 | 1 | 19 | 94.94528929 | 94777 | 5.8 | 2.8 | 7.1 | 1 | 0 | $114.96 | 0 | 1 | 0 |
| 040-005740 | 206200 | 0.377275 | 2453 | 8 | 4 | 3.5 | 2 | 1 | 1 | 31 | 94.94528929 | 94777 | 5.8 | 2.8 | 7.1 | 1 | 0 | $84.06 | 0 | 1 | 0 |
| 040-009363 | 219200 | 0.306286 | 2002 | 7 | 3 | 2 | 1 | 1 | 1 | 19 | 94.94528929 | 94777 | 5.8 | 2.8 | 7.1 | 1 | 0 | $109.49 | 0 | 1 | 0 |
| 160-002206 | 193500 | 0.45589 | 1790 | 7 | 3 | 2.5 | 1 | 1 | 1 | 47 | 94.94528929 | 94777 | 5.8 | 2.8 | 7.1 | 0 | 0 | $108.10 | 1 | 0 | 0 |
| 040-007931 | 214400 | 0.228177 | 2033 | 7 | 3 | 2 | 1 | 1 | 1 | 23 | 94.94528929 | 94777 | 5.8 | 2.8 | 7.1 | 1 | 0 | $105.46 | 0 | 1 | 0 |
| 040-005744 | 203100 | 0.26608 | 2429 | 8 | 4 | 2.5 | 2 | 1 | 1 | 30 | 94.94528929 | 94777 | 5.8 | 2.8 | 7.1 | 1 | 0 | $83.61 | 0 | 1 | 0 |
| 160-002201 | 203000 | 0.529254 | 2190 | 7 | 3 | 2 | 1 | 1 | 1 | 45 | 94.94528929 | 94777 | 5.8 | 2.8 | 7.1 | 0 | 0 | $92.69 | 1 | 0 | 0 |
| 040-009385 | 231700 | 0.922485 | 2152 | 6 | 3 | 2 | 1 | 1 | 1 | 14 | 94.94528929 | 94777 | 5.8 | 2.8 | 7.1 | 1 | 0 | $107.67 | 0 | 1 | 0 |
| 040-005730 | 205800 | 0.246105 | 2824 | 7 | 3 | 2.5 | 2 | 1 | 1 | 29 | 94.94528929 | 94777 | 5.8 | 2.8 | 7.1 | 1 | 0 | $72.88 | 0 | 1 | 0 |
| 160-002194 | 199900 | 0.050272 | 2150 | 8 | 4 | 2.5 | 2 | 1 | 1 | 45 | 94.94528929 | 94777 | 5.8 | 2.8 | 7.1 | 0 | 0 | $92.98 | 1 | 0 | 0 |
| 040-005733 | 208000 | 0.274279 | 2712 | 8 | 4 | 3 | 2 | 1 | 1 | 30 | 94.94528929 | 94777 | 5.8 | 2.8 | 7.1 | 1 | 0 | $76.70 | 0 | 1 | 0 |
| 040-009365 | 217800 | 0.244573 | 2095 | 9 | 4 | 2.5 | 1 | 1 | 1 | 17 | 94.94528929 | 94777 | 5.8 | 2.8 | 7.1 | 1 | 0 | $103.96 | 0 | 1 | 0 |
| 160-001960 | 202400 | 0.514416 | 1845 | 8 | 4 | 2 | 1 | 1 | 1 | 49 | 94.94528929 | 94777 | 5.8 | 2.8 | 7.1 | 0 | 0 | $109.70 | 1 | 0 | 0 |
| 160-001974 | 201100 | 0.455397 | 2050 | 6 | 4 | 2.5 | 1 | 1 | 1 | 49 | 94.94528929 | 94777 | 5.8 | 2.8 | 7.1 | 0 | 0 | $98.10 | 1 | 0 | 0 |
| 040-009378 | 233400 | 0.438174 | 2089 | 6 | 3 | 2 | 1 | 1 | 1 | 15 | 94.94528929 | 94777 | 5.8 | 2.8 | 7.1 | 1 | 0 | $111.73 | 0 | 1 | 0 |
| 040-009375 | 225000 | 0.363339 | 2792 | 8 | 4 | 2.5 | 2 | 1 | 1 | 17 | 94.94528929 | 94777 | 5.8 | 2.8 | 7.1 | 1 | 0 | $80.59 | 0 | 1 | 0 |
| 160-002197 | 215100 | 1.115492 | 1778 | 6 | 3 | 2 | 1 | 1 | 1 | 46 | 94.94528929 | 94777 | 5.8 | 2.8 | 7.1 | 0 | 0 | $120.98 | 1 | 0 | 0 |
| 040-007938 | 218800 | 0.215111 | 2292 | 8 | 3 | 2.5 | 2 | 1 | 1 | 23 | 94.94528929 | 94777 | 5.8 | 2.8 | 7.1 | 1 | 0 | $95.46 | 0 | 1 | 0 |
| 040-009370 | 226100 | 0.288828 | 2089 | 8 | 3 | 2 | 1 | 1 | 1 | 16 | 94.94528929 | 94777 | 5.8 | 2.8 | 7.1 | 1 | 0 | $108.23 | 0 | 1 | 0 |
| 040-009376 | 229500 | 0.338747 | 2166 | 6 | 3 | 2 | 1 | 1 | 1 | 17 | 94.94528929 | 94777 | 5.8 | 2.8 | 7.1 | 1 | 0 | $105.96 | 0 | 1 | 0 |
| 040-007894 | 226900 | 0.254339 | 2389 | 9 | 4 | 2.5 | 2 | 1 | 1 | 23 | 94.94528929 | 94777 | 5.8 | 2.8 | 7.1 | 1 | 0 | $94.98 | 0 | 1 | 0 |
| 040-009382 | 231200 | 0.330244 | 2026 | 6 | 2 | 2 | 1 | 1 | 1 | 17 | 94.94528929 | 94777 | 5.8 | 2.8 | 7.1 | 1 | 0 | $114.12 | 0 | 1 | 0 |
| 040-007935 | 224600 | 0.229066 | 2391 | 8 | 4 | 2.5 | 2 | 1 | 1 | 22 | 94.94528929 | 94777 | 5.8 | 2.8 | 7.1 | 1 | 0 | $93.94 | 0 | 1 | 0 |
| 040-007933 | 228800 | 0.266116 | 2039 | 6 | 3 | 2 | 1 | 1 | 1 | 23 | 94.94528929 | 94777 | 5.8 | 2.8 | 7.1 | 1 | 0 | $112.21 | 0 | 1 | 0 |
| 040-005750 | 215000 | 0.221296 | 2690 | 8 | 4 | 2.5 | 2 | 1 | 1 | 27 | 94.94528929 | 94777 | 5.8 | 2.8 | 7.1 | 1 | 0 | $79.93 | 0 | 1 | 0 |
| 040-009393 | 227100 | 0.257917 | 2062 | 7 | 3 | 2 | 1 | 1 | 1 | 18 | 94.94528929 | 94777 | 5.8 | 2.8 | 7.1 | 1 | 0 | $110.14 | 0 | 1 | 0 |
| 040-007892 | 226500 | 0.23776 | 2470 | 8 | 4 | 2.5 | 2 | 1 | 1 | 23 | 94.94528929 | 94777 | 5.8 | 2.8 | 7.1 | 1 | 0 | $91.70 | 0 | 1 | 0 |
| 040-007936 | 227600 | 0.230084 | 2350 | 8 | 4 | 2.5 | 2 | 1 | 1 | 22 | 94.94528929 | 94777 | 5.8 | 2.8 | 7.1 | 1 | 0 | $96.85 | 0 | 1 | 0 |

# STATISTICAL SPREADSHEET MODEL

| PARCEL_ID | Total_Value | Lot_Size_Acres | Home_SF | Total_Rooms | Total_Bedrooms | Total_Baths | House_Stories | Basement | Garage | Age_of_Home | School_District_Rating | Neighborhood_Median_Income | Neighborhood_Percent_Vacant | Neighborhood_Unemployment_Rate | Neighborhood_Percent_Minority | Constructed_Noise_wall | Noise_Berm | Total Value/Sq Ft | Control | Wall | Berm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 040-005723 | 219400 | 0.264766 | 2568 | 9 | 5 | 3.5 | 2 | 1 | 1 | 31 | 94.94528929 | 94777 | 5.8 | 2.8 | 7.1 | 1 | 0 | $85.44 | 0 | 1 | 0 |
| 040-007932 | 231900 | 0.234173 | 2081 | 7 | 4 | 2.5 | 1 | 1 | 1 | 21 | 94.94528929 | 94777 | 5.8 | 2.8 | 7.1 | 1 | 0 | $111.44 | 0 | 1 | 0 |
| 040-007937 | 233900 | 0.232919 | 2088 | 7 | 4 | 2 | 1 | 1 | 1 | 22 | 94.94528929 | 94777 | 5.8 | 2.8 | 7.1 | 1 | 0 | $112.02 | 0 | 1 | 0 |
| 040-009396 | 233400 | 0.251882 | 2121 | 8 | 3 | 2 | 1 | 1 | 1 | 16 | 94.94528929 | 94777 | 5.8 | 2.8 | 7.1 | 1 | 0 | $110.04 | 0 | 1 | 0 |
| 040-005722 | 221300 | 0.25801 | 1727 | 7 | 2 | 2.5 | 1 | 1 | 1 | 31 | 94.94528929 | 94777 | 5.8 | 2.8 | 7.1 | 1 | 0 | $128.14 | 0 | 1 | 0 |
| 040-009386 | 248000 | 0.789629 | 2152 | 8 | 3 | 2.5 | 1 | 1 | 1 | 16 | 94.94528929 | 94777 | 5.8 | 2.8 | 7.1 | 1 | 0 | $115.24 | 0 | 1 | 0 |
| 040-007895 | 235400 | 0.248169 | 2569 | 9 | 4 | 2.5 | 2 | 1 | 1 | 22 | 94.94528929 | 94777 | 5.8 | 2.8 | 7.1 | 1 | 0 | $91.63 | 0 | 1 | 0 |
| 040-007926 | 235200 | 0.232394 | 2227 | 7 | 3 | 2 | 1 | 1 | 1 | 16 | 94.94528929 | 94777 | 5.8 | 2.8 | 7.1 | 1 | 0 | $105.61 | 0 | 1 | 0 |
| 040-007934 | 234800 | 0.238617 | 2389 | 8 | 4 | 2.5 | 2 | 1 | 1 | 22 | 94.94528929 | 94777 | 5.8 | 2.8 | 7.1 | 1 | 0 | $98.28 | 0 | 1 | 0 |
| 040-007927 | 235600 | 0.231872 | 2602 | 8 | 4 | 2.5 | 2 | 1 | 1 | 22 | 94.94528929 | 94777 | 5.8 | 2.8 | 7.1 | 1 | 0 | $90.55 | 0 | 1 | 0 |
| 040-007891 | 238400 | 0.255851 | 2343 | 6 | 3 | 2 | 1 | 1 | 1 | 23 | 94.94528929 | 94777 | 5.8 | 2.8 | 7.1 | 1 | 0 | $101.75 | 0 | 1 | 0 |
| 040-009383 | 244200 | 0.319644 | 2346 | 6 | 4 | 3 | 1 | 1 | 1 | 17 | 94.94528929 | 94777 | 5.8 | 2.8 | 7.1 | 1 | 0 | $104.09 | 0 | 1 | 0 |
| 040-009387 | 249000 | 0.654551 | 2304 | 7 | 3 | 2 | 1 | 1 | 1 | 14 | 94.94528929 | 94777 | 5.8 | 2.8 | 7.1 | 1 | 0 | $108.07 | 0 | 1 | 0 |
| 040-005739 | 229600 | 0.312992 | 2115 | 7 | 3 | 2.5 | 1 | 1 | 1 | 31 | 94.94528929 | 94777 | 5.8 | 2.8 | 7.1 | 1 | 0 | $108.56 | 0 | 1 | 0 |
| 040-007946 | 241600 | 0.255744 | 2422 | 8 | 4 | 2.5 | 2 | 1 | 1 | 21 | 94.94528929 | 94777 | 5.8 | 2.8 | 7.1 | 1 | 0 | $99.75 | 0 | 1 | 0 |
| 160-002208 | 226000 | 0.467532 | 2404 | 7 | 3 | 1.5 | 1 | 1 | 1 | 46 | 94.94528929 | 94777 | 5.8 | 2.8 | 7.1 | 0 | 0 | $94.01 | 1 | 0 | 0 |
| 040-007897 | 259300 | 0.128895 | 2481 | 8 | 4 | 2.5 | 2 | 1 | 1 | 19 | 94.94528929 | 94777 | 5.8 | 2.8 | 7.1 | 1 | 0 | $104.51 | 0 | 1 | 0 |
| 040-009372 | 267200 | 0.517812 | 2649 | 8 | 3 | 2.5 | 1 | 1 | 1 | 16 | 94.94528929 | 94777 | 5.8 | 2.8 | 7.1 | 1 | 0 | $100.87 | 0 | 1 | 0 |
| 040-009377 | 252600 | 0.381454 | 2426 | 7 | 3 | 2.5 | 1 | 1 | 1 | 17 | 94.94528929 | 94777 | 5.8 | 2.8 | 7.1 | 1 | 0 | $104.12 | 0 | 1 | 0 |
| 040-007925 | 244800 | 0.225864 | 2428 | 7 | 3 | 2.5 | 1 | 1 | 1 | 21 | 94.94528929 | 94777 | 5.8 | 2.8 | 7.1 | 1 | 0 | $100.82 | 0 | 1 | 0 |
| 040-009379 | 260500 | 0.503392 | 3006 | 8 | 4 | 3 | 2 | 1 | 1 | 12 | 94.94528929 | 94777 | 5.8 | 2.8 | 7.1 | 1 | 0 | $86.66 | 0 | 1 | 0 |
| 040-007893 | 244400 | 0.238648 | 2697 | 7 | 3 | 2.5 | 1 | 1 | 1 | 20 | 94.94528929 | 94777 | 5.8 | 2.8 | 7.1 | 1 | 0 | $90.62 | 0 | 1 | 0 |
| 160-002207 | 228100 | 0.461059 | 2265 | 6 | 3 | 3 | 1 | 1 | 1 | 44 | 94.94528929 | 94777 | 5.8 | 2.8 | 7.1 | 0 | 0 | $100.71 | 1 | 0 | 0 |
| 040-009374 | 258600 | 0.321201 | 2443 | 7 | 3 | 3.5 | 2 | 1 | 1 | 17 | 94.94528929 | 94777 | 5.8 | 2.8 | 7.1 | 1 | 0 | $105.85 | 0 | 1 | 0 |
| 040-009384 | 246800 | 0.256777 | 2147 | 6 | 3 | 2.5 | 1 | 1 | 1 | 15 | 94.94528929 | 94777 | 5.8 | 2.8 | 7.1 | 1 | 0 | $114.95 | 0 | 1 | 0 |
| 040-009362 | 256400 | 0.319386 | 2530 | 9 | 4 | 2.5 | 2 | 1 | 1 | 18 | 94.94528929 | 94777 | 5.8 | 2.8 | 7.1 | 1 | 0 | $101.34 | 0 | 1 | 0 |
| 040-009388 | 270900 | 0.72969 | 2571 | 8 | 4 | 2.5 | 2 | 1 | 1 | 17 | 94.94528929 | 94777 | 5.8 | 2.8 | 7.1 | 1 | 0 | $105.37 | 0 | 1 | 0 |
| 040-009366 | 251400 | 0.262942 | 2081 | 6 | 3 | 2 | 1 | 1 | 1 | 17 | 94.94528929 | 94777 | 5.8 | 2.8 | 7.1 | 1 | 0 | $120.81 | 0 | 1 | 0 |
| 040-007352 | 238000 | 0.244803 | 2568 | 8 | 4 | 3.5 | 2 | 1 | 1 | 24 | 94.94528929 | 94777 | 5.8 | 2.8 | 7.1 | 1 | 0 | $92.68 | 0 | 1 | 0 |
| 040-009368 | 254700 | 0.27734 | 2741 | 8 | 4 | 2.5 | 2 | 1 | 1 | 15 | 94.94528929 | 94777 | 5.8 | 2.8 | 7.1 | 1 | 0 | $92.92 | 0 | 1 | 0 |
| 040-009381 | 268000 | 0.429025 | 2502 | 8 | 4 | 2.5 | 2 | 1 | 1 | 17 | 94.94528929 | 94777 | 5.8 | 2.8 | 7.1 | 1 | 0 | $107.11 | 0 | 1 | 0 |
| 040-009369 | 258500 | 0.281238 | 2609 | 8 | 4 | 2.5 | 2 | 1 | 1 | 15 | 94.94528929 | 94777 | 5.8 | 2.8 | 7.1 | 1 | 0 | $99.08 | 0 | 1 | 0 |
| 040-007929 | 256700 | 0.229519 | 2282 | 6 | 4 | 3.5 | 1 | 1 | 1 | 20 | 94.94528929 | 94777 | 5.8 | 2.8 | 7.1 | 1 | 0 | $112.49 | 0 | 1 | 0 |
| 040-009392 | 274000 | 0.339058 | 2475 | 7 | 3 | 3 | 1 | 1 | 1 | 18 | 94.94528929 | 94777 | 5.8 | 2.8 | 7.1 | 1 | 0 | $110.71 | 0 | 1 | 0 |
| 040-009371 | 284700 | 0.388133 | 2662 | 8 | 4 | 2.5 | 2 | 1 | 1 | 17 | 94.94528929 | 94777 | 5.8 | 2.8 | 7.1 | 1 | 0 | $106.95 | 0 | 1 | 0 |
| 040-009390 | 292800 | 0.585759 | 3384 | 8 | 4 | 2.5 | 2 | 1 | 1 | 19 | 94.94528929 | 94777 | 5.8 | 2.8 | 7.1 | 1 | 0 | $86.52 | 0 | 1 | 0 |
| 040-007890 | 276600 | 0.302763 | 2012 | 7 | 3 | 3 | 1 | 1 | 1 | 17 | 94.94528929 | 94777 | 5.8 | 2.8 | 7.1 | 1 | 0 | $137.48 | 0 | 1 | 0 |
| 040-009373 | 283900 | 0.330515 | 2615 | 7 | 4 | 2.5 | 1.5 | 1 | 1 | 16 | 94.94528929 | 94777 | 5.8 | 2.8 | 7.1 | 1 | 0 | $108.57 | 0 | 1 | 0 |
| 040-009380 | 293200 | 0.505231 | 2790 | 8 | 4 | 2.5 | 2 | 1 | 1 | 19 | 94.94528929 | 94777 | 5.8 | 2.8 | 7.1 | 1 | 0 | $105.09 | 0 | 1 | 0 |
| 040-009395 | 299200 | 0.256672 | 2862 | 8 | 4 | 2.5 | 2 | 1 | 1 | 14 | 94.94528929 | 94777 | 5.8 | 2.8 | 7.1 | 1 | 0 | $104.54 | 0 | 1 | 0 |
| 040-007924 | 306100 | 0.070077 | 2737 | 7 | 3 | 2.5 | 1 | 1 | 1 | 19 | 94.94528929 | 94777 | 5.8 | 2.8 | 7.1 | 1 | 0 | $111.84 | 0 | 1 | 0 |
| 040-009394 | 306800 | 0.257127 | 2987 | 9 | 4 | 2.5 | 2 | 1 | 1 | 17 | 94.94528929 | 94777 | 5.8 | 2.8 | 7.1 | 1 | 0 | $102.71 | 0 | 1 | 0 |
| 040-009391 | 325700 | 0.42346 | 3200 | 8 | 3 | 3.5 | 1 | 1 | 1 | 18 | 94.94528929 | 94777 | 5.8 | 2.8 | 7.1 | 1 | 0 | $101.78 | 0 | 1 | 0 |
| 040-007896 | 423400 | 0.293403 | 3541 | 8 | 3 | 2.5 | 1 | 1 | 1 | 21 | 94.94528929 | 94777 | 5.8 | 2.8 | 7.1 | 1 | 0 | $119.57 | 0 | 1 | 0 |
| 200-003192 | 127300 | 0.275884 | 1260 | 8 | 4 | 2 | 1 | 1 | 1 | 46 | 104.2829225 | 72931 | 6.8 | 9.1 | 17.9 | 1 | 0 | $101.03 | 0 | 1 | 0 |
| 560-285064 | 114900 | 0.087549 | 1214 | 5 | 3 | 1.5 | 2 | 0 | 1 | 6 | 104.2829225 | 98250 | 0 | 3.8 | 8.3 | 0 | 1 | $94.65 | 0 | 0 | 1 |
| 560-285061 | 115900 | 0.084083 | 1197 | 6 | 3 | 2 | 1 | 0 | 1 | 6 | 104.2829225 | 98250 | 0 | 3.8 | 8.3 | 0 | 1 | $96.83 | 0 | 0 | 1 |
| 120-000286 | 126300 | 0.600709 | 1208 | 6 | 3 | 1 | 1 | 1 | 1 | 62 | 104.2829225 | 90938 | 7 | 8.8 | 8.8 | 0 | 0 | $104.55 | 1 | 0 | 0 |
| 560-285034 | 119400 | 0.080808 | 1213 | 6 | 3 | 1.5 | 2 | 0 | 1 | 7 | 104.2829225 | 98250 | 0 | 3.8 | 8.3 | 0 | 1 | $98.43 | 0 | 0 | 1 |
| 560-285039 | 123300 | 0.094326 | 1197 | 6 | 3 | 2 | 1 | 0 | 1 | 7 | 104.2829225 | 98250 | 0 | 3.8 | 8.3 | 0 | 1 | $103.01 | 0 | 0 | 1 |
| 560-285030 | 122200 | 0.093093 | 1197 | 6 | 3 | 2 | 1 | 0 | 1 | 7 | 104.2829225 | 98250 | 0 | 3.8 | 8.3 | 0 | 1 | $102.09 | 0 | 0 | 1 |
| 560-285037 | 121300 | 0.095019 | 1197 | 6 | 3 | 2 | 1 | 0 | 1 | 7 | 104.2829225 | 98250 | 0 | 3.8 | 8.3 | 0 | 1 | $101.34 | 0 | 0 | 1 |
| 560-285042 | 121300 | 0.019415 | 1197 | 6 | 3 | 2 | 1 | 0 | 1 | 7 | 104.2829225 | 98250 | 0 | 3.8 | 8.3 | 0 | 1 | $101.34 | 0 | 0 | 1 |
| 560-285032 | 120000 | 0.084772 | 1197 | 5 | 3 | 2 | 1 | 0 | 1 | 8 | 104.2829225 | 98250 | 0 | 3.8 | 8.3 | 0 | 1 | $100.25 | 0 | 0 | 1 |
| 200-003339 | 135000 | 0.32171 | 1240 | 8 | 4 | 2 | 1 | 1 | 1 | 46 | 104.2829225 | 72931 | 6.8 | 9.1 | 17.9 | 1 | 0 | $108.87 | 0 | 1 | 0 |
| 560-285089 | 124000 | 0.080809 | 1200 | 5 | 3 | 2 | 1 | 0 | 1 | 5 | 104.2829225 | 98250 | 0 | 3.8 | 8.3 | 0 | 1 | $103.33 | 0 | 0 | 1 |
| 560-292338 | 128800 | 0.080809 | 1414 | 6 | 3 | 2.5 | 1 | 0 | 1 | 3 | 104.2829225 | 98250 | 0 | 3.8 | 8.3 | 0 | 1 | $91.09 | 0 | 0 | 1 |
| 560-285068 | 129700 | 0.080809 | 1400 | 6 | 2 | 2.5 | 2 | 0 | 1 | 6 | 104.2829225 | 98250 | 0 | 3.8 | 8.3 | 0 | 1 | $92.64 | 0 | 0 | 1 |
| 560-285088 | 131000 | 0.083348 | 1400 | 6 | 2 | 2.5 | 2 | 0 | 1 | 4 | 104.2829225 | 98250 | 0 | 3.8 | 8.3 | 0 | 1 | $93.57 | 0 | 0 | 1 |
| 200-002932 | 131100 | 0.463454 | 1272 | 7 | 3 | 1.5 | 1 | 1 | 1 | 54 | 104.2829225 | 72931 | 6.8 | 9.1 | 17.9 | 0 | 0 | $103.07 | 1 | 0 | 0 |
| 560-285090 | 130700 | 0.080808 | 1436 | 5 | 2 | 2.5 | 2 | 0 | 1 | 5 | 104.2829225 | 98250 | 0 | 3.8 | 8.3 | 0 | 1 | $91.02 | 0 | 0 | 1 |
| 560-285038 | 135500 | 0.096142 | 1414 | 5 | 2 | 2.5 | 1 | 0 | 1 | 7 | 104.2829225 | 98250 | 0 | 3.8 | 8.3 | 0 | 1 | $95.83 | 0 | 0 | 1 |
| 560-285031 | 133300 | 0.10244 | 1414 | 5 | 2 | 2.5 | 1 | 0 | 1 | 7 | 104.2829225 | 98250 | 0 | 3.8 | 8.3 | 0 | 1 | $94.27 | 0 | 0 | 1 |
| 560-285033 | 133400 | 0.109243 | 1414 | 5 | 2 | 2.5 | 1 | 0 | 1 | 7 | 104.2829225 | 98250 | 0 | 3.8 | 8.3 | 0 | 1 | $94.34 | 0 | 0 | 1 |
| 560-285036 | 133400 | 0.108541 | 1414 | 6 | 2 | 2.5 | 1 | 0 | 1 | 7 | 104.2829225 | 98250 | 0 | 3.8 | 8.3 | 0 | 1 | $94.34 | 0 | 0 | 1 |
| 200-003360 | 137700 | 0.264767 | 1529 | 6 | 3 | 2 | 1 | 1 | 1 | 43 | 104.2829225 | 72931 | 6.8 | 9.1 | 17.9 | 1 | 0 | $90.06 | 0 | 1 | 0 |
| 200-003374 | 138100 | 0.026269 | 1308 | 6 | 3 | 1.5 | 1 | 1 | 1 | 45 | 104.2829225 | 72931 | 6.8 | 9.1 | 17.9 | 1 | 0 | $105.58 | 0 | 1 | 0 |
| 560-285029 | 132100 | 0.080813 | 1414 | 5 | 2 | 2.5 | 1 | 0 | 1 | 7 | 104.2829225 | 98250 | 0 | 3.8 | 8.3 | 0 | 1 | $93.42 | 0 | 0 | 1 |
| 560-285041 | 132100 | 0.085049 | 1414 | 5 | 2 | 2.5 | 1 | 0 | 1 | 7 | 104.2829225 | 98250 | 0 | 3.8 | 8.3 | 0 | 1 | $93.42 | 0 | 0 | 1 |
| 560-290046 | 134200 | 0.13079 | 1414 | 5 | 2 | 2.5 | 1 | 0 | 1 | 5 | 104.2829225 | 98250 | 0 | 3.8 | 8.3 | 0 | 1 | $94.91 | 0 | 0 | 1 |
| 200-002969 | 147300 | 0.480621 | 1795 | 6 | 3 | 2 | 1 | 1 | 1 | 52 | 104.2829225 | 72931 | 6.8 | 9.1 | 17.9 | 1 | 0 | $82.06 | 0 | 1 | 0 |
| 560-285083 | 135000 | 0.087097 | 1481 | 5 | 2 | 2.5 | 1 | 0 | 1 | 6 | 104.2829225 | 98250 | 0 | 3.8 | 8.3 | 0 | 1 | $91.15 | 0 | 0 | 1 |
| 200-002353 | 152300 | 0.463756 | 1581 | 6 | 3 | 1.5 | 1 | 1 | 1 | 56 | 104.2829225 | 72931 | 6.8 | 9.1 | 17.9 | 1 | 0 | $96.33 | 0 | 1 | 0 |
| 560-285067 | 134300 | 0.080808 | 1596 | 7 | 3 | 2.5 | 2 | 0 | 1 | 6 | 104.2829225 | 98250 | 0 | 3.8 | 8.3 | 0 | 1 | $84.15 | 0 | 0 | 1 |
| 200-003376 | 140600 | 0.247086 | 1246 | 7 | 4 | 2 | 1 | 1 | 1 | 46 | 104.2829225 | 72931 | 6.8 | 9.1 | 17.9 | 1 | 0 | $112.84 | 0 | 1 | 0 |
| 200-003384 | 138400 | 0.267961 | 1290 | 7 | 3 | 2.5 | 1 | 1 | 1 | 47 | 104.2829225 | 72931 | 6.8 | 9.1 | 17.9 | 1 | 0 | $107.29 | 0 | 1 | 0 |

# STATISTICAL SPREADSHEET MODEL

| PARCEL_ID | Total_Value | Lot_Size_Acres | Home_SF | Total_Rooms | Total_Bedrooms | Total_Baths | House_Stories | Basement | Garage | Age_of_Home | School_District_Rating | Neighborhood_Median_Income | Neighborhood_Percent_Vacant | Neighborhood_Unemployment_Rate | Neighborhood_Percent_Minority | Constructed_Noise_wall | Noise_Berm | Total Value/Sq Ft | Control | Wall | Berm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 560-285063 | 136700 | 0.083424 | 1584 | 6 | 3 | 2.5 | 2 | 0 | 1 | 6 | 104.2829225 | 98250 | 0 | 3.8 | 8.3 | 0 | 1 | $86.30 | 0 | 0 | 1 |
| 560-292341 | 136000 | 0.080806 | 1998 | 7 | 3 | 2.5 | 2 | 0 | 1 | 3 | 104.2829225 | 98250 | 0 | 3.8 | 8.3 | 0 | 1 | $68.07 | 0 | 0 | 1 |
| 560-285060 | 136100 | 0.026175 | 1584 | 6 | 3 | 2.5 | 2 | 0 | 1 | 6 | 104.2829225 | 98250 | 0 | 3.8 | 8.3 | 0 | 1 | $85.92 | 0 | 0 | 1 |
| 560-285066 | 136100 | 0.083554 | 1584 | 6 | 3 | 2.5 | 2 | 0 | 1 | 6 | 104.2829225 | 98250 | 0 | 3.8 | 8.3 | 0 | 1 | $85.92 | 0 | 0 | 1 |
| 560-285082 | 137400 | 0.08561 | 1584 | 6 | 3 | 2.5 | 2 | 0 | 1 | 5 | 104.2829225 | 98250 | 0 | 3.8 | 8.3 | 0 | 1 | $86.74 | 0 | 0 | 1 |
| 200-003193 | 149000 | 0.026465 | 1120 | 7 | 3 | 2 | 1 | 1 | 1 | 56 | 104.2829225 | 72931 | 6.8 | 9.1 | 17.9 | 1 | 0 | $133.04 | 0 | 1 | 0 |
| 560-285040 | 138900 | 0.089668 | 1584 | 6 | 3 | 2.5 | 2 | 0 | 1 | 7 | 104.2829225 | 98250 | 0 | 3.8 | 8.3 | 0 | 1 | $87.69 | 0 | 0 | 1 |
| 200-003386 | 140000 | 0.27828 | 1439 | 7 | 4 | 2.5 | 1 | 1 | 1 | 47 | 104.2829225 | 72931 | 6.8 | 9.1 | 17.9 | 1 | 0 | $97.29 | 0 | 1 | 0 |
| 200-003394 | 140100 | 0.023618 | 1235 | 6 | 3 | 2.5 | 1 | 1 | 1 | 44 | 104.2829225 | 72931 | 6.8 | 9.1 | 17.9 | 1 | 0 | $113.44 | 0 | 1 | 0 |
| 560-285028 | 137300 | 0.04181 | 1584 | 6 | 3 | 2.5 | 2 | 1 | 1 | 7 | 104.2829225 | 98250 | 0 | 3.8 | 8.3 | 0 | 1 | $86.68 | 0 | 0 | 1 |
| 560-290044 | 139400 | 0.00059 | 1598 | 7 | 3 | 2.5 | 2 | 0 | 1 | 4 | 104.2829225 | 98250 | 0 | 3.8 | 8.3 | 0 | 1 | $87.23 | 0 | 0 | 1 |
| 200-003340 | 144800 | 0.31734 | 1094 | 8 | 4 | 2 | 1 | 1 | 1 | 46 | 104.2829225 | 72931 | 6.8 | 9.1 | 17.9 | 1 | 0 | $132.36 | 0 | 1 | 0 |
| 200-003212 | 139100 | 0.474992 | 1288 | 5 | 3 | 1.5 | 1 | 1 | 1 | 53 | 104.2829225 | 72931 | 6.8 | 9.1 | 17.9 | 0 | 0 | $108.00 | 1 | 0 | 0 |
| 200-001830 | 143600 | 0.500372 | 1354 | 5 | 3 | 1.5 | 1 | 1 | 1 | 52 | 104.2829225 | 72931 | 6.8 | 9.1 | 17.9 | 0 | 0 | $106.06 | 1 | 0 | 0 |
| 120-000582 | 147400 | 0.612631 | 1244 | 5 | 3 | 1.5 | 1 | 1 | 1 | 57 | 104.2829225 | 90938 | 7 | 8.8 | 8.8 | 0 | 0 | $118.49 | 1 | 0 | 0 |
| 200-002354 | 160400 | 0.437004 | 1740 | 6 | 3 | 2 | 1 | 0 | 1 | 45 | 104.2829225 | 72931 | 6.8 | 9.1 | 17.9 | 1 | 0 | $92.18 | 0 | 1 | 0 |
| 200-003361 | 143500 | 0.245765 | 1276 | 6 | 3 | 1.5 | 1 | 1 | 1 | 46 | 104.2829225 | 72931 | 6.8 | 9.1 | 17.9 | 1 | 0 | $112.46 | 0 | 1 | 0 |
| 200-003397 | 143200 | 0.007899 | 1576 | 7 | 3 | 2 | 1 | 1 | 1 | 44 | 104.2829225 | 72931 | 6.8 | 9.1 | 17.9 | 1 | 0 | $90.86 | 0 | 1 | 0 |
| 560-285084 | 146000 | 0.087085 | 1888 | 7 | 3 | 2.5 | 2 | 0 | 1 | 5 | 104.2829225 | 98250 | 0 | 3.8 | 8.3 | 0 | 1 | $77.33 | 0 | 0 | 1 |
| 560-285091 | 143200 | 0.088339 | 1904 | 8 | 4 | 2.5 | 2 | 0 | 1 | 6 | 104.2829225 | 98250 | 0 | 3.8 | 8.3 | 0 | 1 | $75.21 | 0 | 0 | 1 |
| 200-002351 | 165000 | 0.504238 | 1658 | 7 | 3 | 2.5 | 1 | 1 | 1 | 50 | 104.2829225 | 72931 | 6.8 | 9.1 | 17.9 | 1 | 0 | $99.52 | 0 | 1 | 0 |
| 200-002996 | 162400 | 0.589823 | 1496 | 7 | 4 | 3.5 | 1 | 1 | 1 | 56 | 104.2829225 | 72931 | 6.8 | 9.1 | 17.9 | 1 | 0 | $108.56 | 0 | 1 | 0 |
| 200-003139 | 152600 | 0.356896 | 1512 | 7 | 3 | 2 | 1 | 1 | 1 | 46 | 104.2829225 | 72931 | 6.8 | 9.1 | 17.9 | 1 | 0 | $100.93 | 0 | 1 | 0 |
| 200-003143 | 151200 | 0.352942 | 1544 | 6 | 3 | 2 | 1 | 1 | 1 | 45 | 104.2829225 | 72931 | 6.8 | 9.1 | 17.9 | 1 | 0 | $97.93 | 0 | 1 | 0 |
| 200-003145 | 158200 | 0.405979 | 1264 | 7 | 3 | 1.5 | 1 | 1 | 1 | 45 | 104.2829225 | 72931 | 6.8 | 9.1 | 17.9 | 1 | 0 | $125.16 | 0 | 1 | 0 |
| 200-003144 | 152100 | 0.367166 | 1569 | 7 | 3 | 2 | 1 | 1 | 1 | 45 | 104.2829225 | 72931 | 6.8 | 9.1 | 17.9 | 1 | 0 | $96.94 | 0 | 1 | 0 |
| 200-003341 | 152100 | 0.391721 | 1530 | 7 | 3 | 2.5 | 1 | 1 | 1 | 44 | 104.2829225 | 72931 | 6.8 | 9.1 | 17.9 | 1 | 0 | $99.41 | 0 | 1 | 0 |
| 560-292339 | 145500 | 0.090634 | 1840 | 6 | 3 | 2.5 | 2 | 0 | 1 | 3 | 104.2829225 | 98250 | 0 | 3.8 | 8.3 | 0 | 1 | $79.08 | 0 | 0 | 1 |
| 200-003352 | 154900 | 0.474677 | 1537 | 7 | 3 | 2 | 1 | 1 | 1 | 44 | 104.2829225 | 72931 | 6.8 | 9.1 | 17.9 | 1 | 0 | $100.78 | 0 | 1 | 0 |
| 560-285081 | 145700 | 0.020944 | 1809 | 6 | 3 | 2.5 | 2 | 0 | 1 | 5 | 104.2829225 | 98250 | 0 | 3.8 | 8.3 | 0 | 1 | $80.54 | 0 | 0 | 1 |
| 560-285085 | 148500 | 0.087131 | 1809 | 6 | 3 | 2.5 | 2 | 0 | 1 | 5 | 104.2829225 | 98250 | 0 | 3.8 | 8.3 | 0 | 1 | $82.09 | 0 | 0 | 1 |
| 560-285087 | 148500 | 0.08711 | 1809 | 6 | 3 | 2.5 | 2 | 0 | 1 | 5 | 104.2829225 | 98250 | 0 | 3.8 | 8.3 | 0 | 1 | $82.09 | 0 | 0 | 1 |
| 200-003115 | 184300 | 0.893582 | 2506 | 7 | 2 | 2.5 | 1 | 1 | 1 | 48 | 104.2829225 | 72931 | 6.8 | 9.1 | 17.9 | 1 | 0 | $73.54 | 0 | 1 | 0 |
| 200-003349 | 153900 | 0.339581 | 1280 | 7 | 3 | 1.5 | 1 | 1 | 1 | 44 | 104.2829225 | 72931 | 6.8 | 9.1 | 17.9 | 1 | 0 | $120.23 | 0 | 1 | 0 |
| 560-285086 | 149000 | 0.087069 | 1888 | 8 | 3 | 2.5 | 2 | 0 | 1 | 4 | 104.2829225 | 98250 | 0 | 3.8 | 8.3 | 0 | 1 | $78.92 | 0 | 0 | 1 |
| 560-285065 | 148900 | 0.087502 | 1844 | 7 | 3 | 2.5 | 2 | 0 | 1 | 6 | 104.2829225 | 98250 | 0 | 3.8 | 8.3 | 0 | 1 | $80.75 | 0 | 0 | 1 |
| 560-285069 | 148300 | 0.088339 | 1844 | 7 | 3 | 2.5 | 2 | 0 | 1 | 6 | 104.2829225 | 98250 | 0 | 3.8 | 8.3 | 0 | 1 | $80.42 | 0 | 0 | 1 |
| 200-000106 | 138200 | 0.432015 | 1236 | 6 | 4 | 3 | 1 | 1 | 1 | 44 | 104.2829225 | 72931 | 6.8 | 9.1 | 17.9 | 0 | 0 | $111.81 | 1 | 0 | 0 |
| 560-285062 | 149200 | 0.091601 | 1888 | 7 | 3 | 2.5 | 2 | 0 | 1 | 6 | 104.2829225 | 98250 | 0 | 3.8 | 8.3 | 0 | 1 | $79.03 | 0 | 0 | 1 |
| 560-290045 | 150100 | 0.099265 | 1840 | 6 | 3 | 2.5 | 2 | 0 | 1 | 3 | 104.2829225 | 98250 | 0 | 3.8 | 8.3 | 0 | 1 | $81.58 | 0 | 0 | 1 |
| 200-003353 | 158300 | 0.431032 | 1360 | 7 | 3 | 1.5 | 1 | 1 | 1 | 43 | 104.2829225 | 72931 | 6.8 | 9.1 | 17.9 | 1 | 0 | $116.40 | 0 | 1 | 0 |
| 560-285035 | 149900 | 0.080809 | 1888 | 8 | 3 | 2.5 | 2 | 0 | 1 | 7 | 104.2829225 | 98250 | 0 | 3.8 | 8.3 | 0 | 1 | $79.40 | 0 | 0 | 1 |
| 200-003140 | 156800 | 0.331886 | 1916 | 8 | 4 | 2 | 2 | 1 | 1 | 46 | 104.2829225 | 72931 | 6.8 | 9.1 | 17.9 | 1 | 0 | $81.84 | 0 | 1 | 0 |
| 200-002963 | 170000 | 0.471215 | 1937 | 7 | 3 | 2 | 1 | 1 | 1 | 52 | 104.2829225 | 72931 | 6.8 | 9.1 | 17.9 | 1 | 0 | $87.76 | 0 | 1 | 0 |
| 200-003398 | 152500 | 0.003278 | 1710 | 6 | 3 | 2.5 | 1 | 1 | 1 | 46 | 104.2829225 | 72931 | 6.8 | 9.1 | 17.9 | 1 | 0 | $89.18 | 0 | 1 | 0 |
| 200-003393 | 154600 | 0.015853 | 1662 | 7 | 3 | 2 | 1 | 1 | 1 | 46 | 104.2829225 | 72931 | 6.8 | 9.1 | 17.9 | 1 | 0 | $93.02 | 0 | 1 | 0 |
| 200-001772 | 156400 | 0.497422 | 1494 | 6 | 3 | 2 | 1 | 1 | 1 | 52 | 104.2829225 | 72931 | 6.8 | 9.1 | 17.9 | 0 | 0 | $104.69 | 1 | 0 | 0 |
| 200-003399 | 152800 | 0.000091 | 1342 | 6 | 3 | 2.5 | 1 | 1 | 1 | 45 | 104.2829225 | 72931 | 6.8 | 9.1 | 17.9 | 1 | 0 | $113.86 | 0 | 1 | 0 |
| 200-003342 | 161500 | 0.565277 | 1968 | 8 | 4 | 2.5 | 2 | 1 | 1 | 44 | 104.2829225 | 72931 | 6.8 | 9.1 | 17.9 | 1 | 0 | $82.06 | 0 | 1 | 0 |
| 200-003396 | 154800 | 0.012699 | 1918 | 8 | 4 | 2.5 | 2 | 1 | 1 | 47 | 104.2829225 | 72931 | 6.8 | 9.1 | 17.9 | 1 | 0 | $80.71 | 0 | 1 | 0 |
| 200-003354 | 163500 | 0.506202 | 1566 | 6 | 3 | 2 | 1 | 1 | 1 | 49 | 104.2829225 | 72931 | 6.8 | 9.1 | 17.9 | 1 | 0 | $104.41 | 0 | 1 | 0 |
| 200-002342 | 173500 | 0.515254 | 1734 | 7 | 3 | 2.5 | 1 | 1 | 1 | 55 | 104.2829225 | 72931 | 6.8 | 9.1 | 17.9 | 1 | 0 | $100.06 | 0 | 1 | 0 |
| 200-003367 | 167300 | 0.058129 | 1627 | 7 | 3 | 2 | 1 | 1 | 1 | 51 | 104.2829225 | 72931 | 6.8 | 9.1 | 17.9 | 1 | 0 | $102.83 | 0 | 1 | 0 |
| 200-002345 | 172700 | 0.509572 | 2068 | 7 | 3 | 2 | 1 | 0 | 1 | 45 | 104.2829225 | 72931 | 6.8 | 9.1 | 17.9 | 1 | 0 | $83.51 | 0 | 1 | 0 |
| 200-002355 | 173300 | 0.310307 | 2067 | 7 | 3 | 2.5 | 1 | 1 | 1 | 58 | 104.2829225 | 72931 | 6.8 | 9.1 | 17.9 | 1 | 0 | $83.84 | 0 | 1 | 0 |
| 200-002970 | 171600 | 0.220462 | 1584 | 7 | 3 | 2 | 1 | 1 | 1 | 46 | 104.2829225 | 72931 | 6.8 | 9.1 | 17.9 | 1 | 0 | $108.33 | 0 | 1 | 0 |
| 200-002962 | 176200 | 0.154431 | 1482 | 8 | 3 | 2.5 | 1 | 1 | 1 | 52 | 104.2829225 | 72931 | 6.8 | 9.1 | 17.9 | 1 | 0 | $118.89 | 0 | 1 | 0 |
| 200-003346 | 160600 | 0.270462 | 2351 | 10 | 5 | 2.5 | 2 | 1 | 1 | 46 | 104.2829225 | 72931 | 6.8 | 9.1 | 17.9 | 1 | 0 | $68.31 | 0 | 1 | 0 |
| 200-003387 | 158400 | 0.247988 | 1790 | 8 | 4 | 2.5 | 2 | 1 | 1 | 47 | 104.2829225 | 72931 | 6.8 | 9.1 | 17.9 | 1 | 0 | $88.49 | 0 | 1 | 0 |
| 200-002352 | 176300 | 0.4854 | 1441 | 7 | 3 | 2 | 1 | 1 | 1 | 54 | 104.2829225 | 72931 | 6.8 | 9.1 | 17.9 | 1 | 0 | $122.35 | 0 | 1 | 0 |
| 200-003375 | 163900 | 0.233828 | 1968 | 7 | 3 | 2.5 | 1 | 1 | 1 | 48 | 104.2829225 | 72931 | 6.8 | 9.1 | 17.9 | 1 | 0 | $83.28 | 0 | 1 | 0 |
| 200-003357 | 160700 | 0.256363 | 1528 | 7 | 3 | 2 | 1 | 1 | 1 | 45 | 104.2829225 | 72931 | 6.8 | 9.1 | 17.9 | 1 | 0 | $105.17 | 0 | 1 | 0 |
| 200-003362 | 160200 | 0.251996 | 2008 | 8 | 4 | 2.5 | 2 | 1 | 1 | 46 | 104.2829225 | 72931 | 6.8 | 9.1 | 17.9 | 1 | 0 | $79.78 | 0 | 1 | 0 |
| 200-003388 | 161800 | 0.274981 | 1980 | 8 | 4 | 2.5 | 2 | 1 | 1 | 46 | 104.2829225 | 72931 | 6.8 | 9.1 | 17.9 | 1 | 0 | $81.72 | 0 | 1 | 0 |
| 120-000733 | 172000 | 0.71854 | 1908 | 6 | 3 | 2.5 | 1 | 0 | 1 | 38 | 104.2829225 | 90938 | 7 | 8.8 | 8.8 | 0 | 0 | $90.15 | 1 | 0 | 0 |
| 200-003359 | 164300 | 0.233738 | 1532 | 7 | 4 | 3 | 1 | 1 | 1 | 48 | 104.2829225 | 72931 | 6.8 | 9.1 | 17.9 | 1 | 0 | $107.25 | 0 | 1 | 0 |
| 200-003377 | 169700 | 0.315452 | 1608 | 7 | 3 | 2.5 | 1 | 1 | 1 | 46 | 104.2829225 | 72931 | 6.8 | 9.1 | 17.9 | 1 | 0 | $105.53 | 0 | 1 | 0 |
| 200-002343 | 180000 | 0.452409 | 2515 | 7 | 3 | 2.5 | 1 | 1 | 1 | 53 | 104.2829225 | 72931 | 6.8 | 9.1 | 17.9 | 1 | 0 | $71.57 | 0 | 1 | 0 |
| 200-003391 | 163700 | 0.256909 | 1857 | 6 | 3 | 2 | 1 | 1 | 1 | 47 | 104.2829225 | 72931 | 6.8 | 9.1 | 17.9 | 1 | 0 | $88.15 | 0 | 1 | 0 |
| 200-002968 | 177800 | 0.503079 | 1888 | 7 | 3 | 2.5 | 1 | 1 | 1 | 55 | 104.2829225 | 72931 | 6.8 | 9.1 | 17.9 | 1 | 0 | $94.17 | 0 | 1 | 0 |
| 200-003389 | 162700 | 0.250708 | 1846 | 8 | 4 | 2.5 | 2 | 1 | 1 | 46 | 104.2829225 | 72931 | 6.8 | 9.1 | 17.9 | 1 | 0 | $88.14 | 0 | 1 | 0 |
| 200-003343 | 171300 | 0.564085 | 1468 | 6 | 3 | 2 | 1 | 1 | 1 | 47 | 104.2829225 | 72931 | 6.8 | 9.1 | 17.9 | 1 | 0 | $116.69 | 0 | 1 | 0 |
| 200-003142 | 172000 | 0.341004 | 2013 | 8 | 4 | 2.5 | 2 | 1 | 1 | 46 | 104.2829225 | 72931 | 6.8 | 9.1 | 17.9 | 1 | 0 | $85.44 | 0 | 1 | 0 |
| 200-003350 | 164500 | 0.269846 | 1640 | 8 | 4 | 2.5 | 1 | 1 | 1 | 44 | 104.2829225 | 72931 | 6.8 | 9.1 | 17.9 | 1 | 0 | $100.30 | 0 | 1 | 0 |
| 200-003113 | 180400 | 0.429807 | 2487 | 7 | 3 | 2.5 | 1 | 1 | 1 | 50 | 104.2829225 | 72931 | 6.8 | 9.1 | 17.9 | 1 | 0 | $72.54 | 0 | 1 | 0 |
| 200-003355 | 167100 | 0.336828 | 1777 | 8 | 4 | 2.5 | 1 | 1 | 1 | 45 | 104.2829225 | 72931 | 6.8 | 9.1 | 17.9 | 1 | 0 | $94.03 | 0 | 1 | 0 |

# STATISTICAL SPREADSHEET MODEL

| PARCEL_ID | Total_Value | Lot_Size_Acres | Home_SF | Total_Rooms | Total_Bedrooms | Total_Baths | House_Stories | Basement | Garage | Age_of_Home | School_District_Rating | Neighborhood_Median_Income | Neighborhood_Percent_Vacant | Neighborhood_Unemployment_Rate | Neighborhood_Percent_Minority | Constructed_Noise_wall | Noise_Berm | Total Value/ Sq Ft | Control | Wall | Berm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 200-003395 | 165100 | 0.01747 | 1916 | 8 | 4 | 2.5 | 2 | 1 | 1 | 47 | 104.2829225 | 72931 | 6.8 | 9.1 | 17.9 | 1 | 0 | $86.17 | 0 | 1 | 0 |
| 200-002340 | 182400 | 0.542967 | 2356 | 8 | 4 | 3.5 | 2 | 1 | 1 | 44 | 104.2829225 | 72931 | 6.8 | 9.1 | 17.9 | 0 | 0 | $77.42 | 1 | 0 | 0 |
| 200-002365 | 180200 | 0.613873 | 1710 | 8 | 4 | 2.5 | 1 | 1 | 1 | 48 | 104.2829225 | 72931 | 6.8 | 9.1 | 17.9 | 1 | 0 | $105.38 | 0 | 1 | 0 |
| 200-002350 | 184100 | 0.464125 | 1842 | 7 | 3 | 2.5 | 1 | 1 | 1 | 49 | 104.2829225 | 72931 | 6.8 | 9.1 | 17.9 | 1 | 0 | $99.95 | 0 | 1 | 0 |
| 200-003385 | 167800 | 0.248532 | 1840 | 7 | 3 | 2.5 | 2 | 1 | 1 | 47 | 104.2829225 | 72931 | 6.8 | 9.1 | 17.9 | 1 | 0 | $91.20 | 0 | 1 | 0 |
| 200-003345 | 167000 | 0.267455 | 1988 | 7 | 3 | 2.5 | 1 | 1 | 1 | 46 | 104.2829225 | 72931 | 6.8 | 9.1 | 17.9 | 1 | 0 | $84.00 | 0 | 1 | 0 |
| 200-003356 | 168300 | 0.248669 | 1968 | 8 | 4 | 2.5 | 2 | 1 | 1 | 45 | 104.2829225 | 72931 | 6.8 | 9.1 | 17.9 | 1 | 0 | $85.52 | 0 | 1 | 0 |
| 200-003351 | 176100 | 0.301304 | 2012 | 8 | 4 | 2.5 | 2 | 1 | 1 | 45 | 104.2829225 | 72931 | 6.8 | 9.1 | 17.9 | 1 | 0 | $87.52 | 0 | 1 | 0 |
| 200-002964 | 188700 | 0.518473 | 2122 | 10 | 6 | 3 | 1 | 1 | 1 | 53 | 104.2829225 | 72931 | 6.8 | 9.1 | 17.9 | 1 | 0 | $88.93 | 0 | 1 | 0 |
| 200-003116 | 201300 | 0.931845 | 2310 | 7 | 3 | 3 | 1 | 1 | 1 | 51 | 104.2829225 | 72931 | 6.8 | 9.1 | 17.9 | 1 | 0 | $87.14 | 0 | 1 | 0 |
| 200-003358 | 172000 | 0.234418 | 2256 | 8 | 4 | 2.5 | 2 | 1 | 1 | 44 | 104.2829225 | 72931 | 6.8 | 9.1 | 17.9 | 1 | 0 | $76.24 | 0 | 1 | 0 |
| 200-003344 | 179300 | 0.360496 | 2090 | 8 | 4 | 2.5 | 2 | 1 | 1 | 44 | 104.2829225 | 72931 | 6.8 | 9.1 | 17.9 | 1 | 0 | $85.79 | 0 | 1 | 0 |
| 120-000351 | 181600 | 0.968683 | 1867 | 6 | 2 | 2 | 1 | 1 | 1 | 55 | 104.2829225 | 90938 | 7 | 8.8 | 8.8 | 0 | 0 | $97.27 | 1 | 0 | 0 |
| 200-003347 | 178800 | 0.313375 | 1832 | 7 | 4 | 2.5 | 2 | 1 | 1 | 45 | 104.2829225 | 72931 | 6.8 | 9.1 | 17.9 | 1 | 0 | $97.60 | 0 | 1 | 0 |
| 200-000029 | 183400 | 0.504127 | 1450 | 6 | 3 | 2 | 1 | 1 | 1 | 44 | 104.2829225 | 72931 | 6.8 | 9.1 | 17.9 | 0 | 0 | $126.48 | 1 | 0 | 0 |
| 200-003390 | 177400 | 0.252995 | 2380 | 8 | 4 | 2.5 | 2 | 1 | 1 | 43 | 104.2829225 | 72931 | 6.8 | 9.1 | 17.9 | 1 | 0 | $74.54 | 0 | 1 | 0 |
| 120-000470 | 180800 | 0.581125 | 1676 | 6 | 3 | 1.5 | 1 | 1 | 1 | 22 | 104.2829225 | 90938 | 7 | 8.8 | 8.8 | 0 | 0 | $107.88 | 1 | 0 | 0 |
| 120-000474 | 177300 | 0.556852 | 1394 | 6 | 3 | 2 | 1 | 1 | 1 | 20 | 104.2829225 | 90938 | 7 | 8.8 | 8.8 | 0 | 0 | $127.19 | 1 | 0 | 0 |
| 200-003363 | 183200 | 0.327432 | 1688 | 8 | 4 | 2.5 | 1 | 1 | 1 | 46 | 104.2829225 | 72931 | 6.8 | 9.1 | 17.9 | 1 | 0 | $108.53 | 0 | 1 | 0 |
| 120-000609 | 187500 | 0.839007 | 1680 | 7 | 3 | 2.5 | 1 | 1 | 1 | 39 | 104.2829225 | 90938 | 7 | 8.8 | 8.8 | 0 | 0 | $111.61 | 1 | 0 | 0 |
| 200-001820 | 193400 | 1.054039 | 1476 | 5 | 3 | 2 | 1 | 1 | 1 | 52 | 104.2829225 | 72931 | 6.8 | 9.1 | 17.9 | 0 | 0 | $131.03 | 1 | 0 | 0 |
| 120-000376 | 168600 | 0.470543 | 1780 | 7 | 3 | 3 | 1 | 1 | 1 | 53 | 104.2829225 | 90938 | 7 | 8.8 | 8.8 | 0 | 0 | $94.72 | 1 | 0 | 0 |
| 120-000176 | 204100 | 1.279584 | 1399 | 6 | 3 | 2.5 | 1 | 1 | 1 | 30 | 104.2829225 | 90938 | 7 | 8.8 | 8.8 | 0 | 0 | $145.89 | 1 | 0 | 0 |
| 200-002027 | 186900 | 0.436428 | 1644 | 6 | 3 | 1.5 | 1 | 1 | 1 | 40 | 104.2829225 | 72931 | 6.8 | 9.1 | 17.9 | 0 | 0 | $113.69 | 1 | 0 | 0 |
| 200-003112 | 198500 | 0.590968 | 1425 | 7 | 3 | 3 | 1 | 1 | 1 | 51 | 104.2829225 | 72931 | 6.8 | 9.1 | 17.9 | 1 | 0 | $139.30 | 0 | 1 | 0 |
| 120-000734 | 196100 | 0.738144 | 1777 | 6 | 3 | 2 | 1 | 1 | 1 | 37 | 104.2829225 | 90938 | 7 | 8.8 | 8.8 | 0 | 0 | $110.35 | 1 | 0 | 0 |
| 200-002348 | 205400 | 0.35783 | 2214 | 8 | 3 | 2.5 | 1 | 1 | 1 | 53 | 104.2829225 | 72931 | 6.8 | 9.1 | 17.9 | 1 | 0 | $92.77 | 0 | 1 | 0 |
| 200-003141 | 192900 | 0.325406 | 1714 | 8 | 4 | 2.5 | 1 | 1 | 1 | 46 | 104.2829225 | 72931 | 6.8 | 9.1 | 17.9 | 1 | 0 | $112.54 | 0 | 1 | 0 |
| 120-000468 | 190800 | 0.597366 | 2134 | 7 | 3 | 2.5 | 1 | 1 | 1 | 45 | 104.2829225 | 90938 | 7 | 8.8 | 8.8 | 0 | 0 | $89.41 | 1 | 0 | 0 |
| 200-000090 | 187300 | 0.468831 | 2082 | 7 | 3 | 2.5 | 2 | 1 | 1 | 44 | 104.2829225 | 72931 | 6.8 | 9.1 | 17.9 | 0 | 0 | $89.96 | 1 | 0 | 0 |
| 120-000471 | 203200 | 1.026301 | 2400 | 6 | 2 | 1 | 2 | 1 | 1 | 46 | 104.2829225 | 90938 | 7 | 8.8 | 8.8 | 0 | 0 | $84.67 | 1 | 0 | 0 |
| 200-002341 | 206600 | 0.507437 | 2446 | 8 | 4 | 3 | 1 | 1 | 1 | 51 | 104.2829225 | 72931 | 6.8 | 9.1 | 17.9 | 1 | 0 | $84.46 | 0 | 1 | 0 |
| 200-002344 | 205600 | 0.53256 | 2285 | 7 | 4 | 2.5 | 1 | 1 | 1 | 54 | 104.2829225 | 72931 | 6.8 | 9.1 | 17.9 | 1 | 0 | $89.98 | 0 | 1 | 0 |
| 120-000844 | 244400 | 6.03943 | 1824 | 7 | 3 | 2.5 | 1 | 1 | 1 | 44 | 104.2829225 | 90938 | 7 | 8.8 | 8.8 | 0 | 0 | $133.99 | 1 | 0 | 0 |
| 200-002965 | 206600 | 0.518216 | 2182 | 8 | 4 | 2.5 | 1 | 1 | 1 | 54 | 104.2829225 | 72931 | 6.8 | 9.1 | 17.9 | 1 | 0 | $94.68 | 0 | 1 | 0 |
| 120-000467 | 198700 | 0.662463 | 2452 | 9 | 5 | 3 | 2 | 1 | 1 | 45 | 104.2829225 | 90938 | 7 | 8.8 | 8.8 | 0 | 0 | $81.04 | 1 | 0 | 0 |
| 200-003383 | 205700 | 0.337212 | 2340 | 7 | 4 | 2.5 | 2 | 1 | 1 | 7 | 104.2829225 | 72931 | 6.8 | 9.1 | 17.9 | 1 | 0 | $87.91 | 0 | 1 | 0 |
| 200-002688 | 207800 | 0.370571 | 2116 | 8 | 4 | 2.5 | 1 | 1 | 1 | 48 | 104.2829225 | 72931 | 6.8 | 9.1 | 17.9 | 1 | 0 | $98.20 | 0 | 1 | 0 |
| 120-000527 | 212300 | 0.951815 | 1833 | 7 | 3 | 2.5 | 1 | 0 | 1 | 40 | 104.2829225 | 90938 | 7 | 8.8 | 8.8 | 0 | 0 | $115.82 | 1 | 0 | 0 |
| 120-000705 | 217300 | 0.838104 | 2440 | 7 | 4 | 2.5 | 2 | 1 | 1 | 53 | 104.2829225 | 90938 | 7 | 8.8 | 8.8 | 0 | 0 | $89.06 | 1 | 0 | 0 |
| 200-002349 | 221100 | 0.533461 | 2310 | 7 | 3 | 2.5 | 1 | 1 | 1 | 53 | 104.2829225 | 72931 | 6.8 | 9.1 | 17.9 | 1 | 0 | $95.71 | 0 | 1 | 0 |
| 120-000472 | 208600 | 0.584512 | 2219 | 8 | 3 | 2.5 | 1 | 1 | 1 | 43 | 104.2829225 | 90938 | 7 | 8.8 | 8.8 | 0 | 0 | $94.01 | 1 | 0 | 0 |
| 200-003348 | 220000 | 0.35545 | 3622 | 8 | 4 | 3.5 | 2 | 1 | 1 | 46 | 104.2829225 | 72931 | 6.8 | 9.1 | 17.9 | 1 | 0 | $60.74 | 0 | 1 | 0 |
| 120-000469 | 216500 | 0.590427 | 3477 | 9 | 5 | 3 | 1.5 | 1 | 1 | 46 | 104.2829225 | 90938 | 7 | 8.8 | 8.8 | 0 | 0 | $62.27 | 1 | 0 | 0 |
| 200-003365 | 247600 | 0.842846 | 2610 | 6 | 3 | 2 | 1 | 1 | 1 | 47 | 104.2829225 | 72931 | 6.8 | 9.1 | 17.9 | 1 | 0 | $94.87 | 0 | 1 | 0 |
| 120-001006 | 255900 | 0.136555 | 2306 | 7 | 3 | 2 | 1 | 1 | 1 | 29 | 104.2829225 | 90938 | 7 | 8.8 | 8.8 | 0 | 0 | $110.97 | 1 | 0 | 0 |
| 120-000843 | 248400 | 2.870937 | 2126 | 6 | 3 | 2.5 | 1 | 1 | 1 | 27 | 104.2829225 | 90938 | 7 | 8.8 | 8.8 | 0 | 0 | $116.84 | 1 | 0 | 0 |
| 120-000473 | 225200 | 0.588737 | 2035 | 8 | 3 | 2.5 | 2 | 1 | 1 | 27 | 104.2829225 | 90938 | 7 | 8.8 | 8.8 | 0 | 0 | $110.66 | 1 | 0 | 0 |
| 120-000676 | 235300 | 0.948494 | 3143 | 8 | 4 | 3.5 | 1 | 1 | 1 | 60 | 104.2829225 | 90938 | 7 | 8.8 | 8.8 | 0 | 0 | $74.86 | 1 | 0 | 0 |
| 200-003366 | 237500 | 0.513358 | 2708 | 8 | 3 | 3 | 1 | 1 | 1 | 15 | 104.2829225 | 72931 | 6.8 | 9.1 | 17.9 | 1 | 0 | $87.70 | 0 | 1 | 0 |
| 120-000729 | 246100 | 0.935323 | 1852 | 7 | 3 | 2.5 | 1 | 1 | 1 | 38 | 104.2829225 | 90938 | 7 | 8.8 | 8.8 | 0 | 0 | $132.88 | 1 | 0 | 0 |
| 120-000224 | 276700 | 1.888837 | 2739 | 8 | 4 | 2.5 | 2 | 1 | 1 | 24 | 104.2829225 | 90938 | 7 | 8.8 | 8.8 | 0 | 0 | $101.02 | 1 | 0 | 0 |
| 120-000710 | 263500 | 0.811101 | 2794 | 7 | 3 | 2.5 | 1 | 1 | 1 | 40 | 104.2829225 | 90938 | 7 | 8.8 | 8.8 | 0 | 0 | $94.31 | 1 | 0 | 0 |
| 120-000711 | 276100 | 0.786559 | 3564 | 9 | 4 | 2.5 | 1.5 | 1 | 1 | 40 | 104.2829225 | 90938 | 7 | 8.8 | 8.8 | 0 | 0 | $77.47 | 1 | 0 | 0 |
| 120-000732 | 291800 | 0.697217 | 2417 | 8 | 4 | 2.5 | 2 | 1 | 1 | 36 | 104.2829225 | 90938 | 7 | 8.8 | 8.8 | 0 | 0 | $120.73 | 1 | 0 | 0 |
| O68 01518 0001 | 141160 | 0.304438 | 2027 | 6 | 3 | 2 | 1 | 1 | 1 | 37 | 106.4430433 | 78188 | 4.1 | 7.9 | 17.6 | 0 | 1 | $69.64 | 0 | 0 | 1 |
| O68 01014 0017 | 133870 | 0.458572 | 1514 | 6 | 3 | 2 | 1 | 0 | 1 | 45 | 106.4430433 | 78188 | 4.1 | 7.9 | 17.6 | 0 | 1 | $88.42 | 0 | 0 | 1 |
| O68 01015 0027 | 144840 | 0.483804 | 1570 | 7 | 3 | 2 | 1 | 0 | 1 | 45 | 106.4430433 | 78188 | 4.1 | 7.9 | 17.6 | 0 | 1 | $92.25 | 0 | 0 | 1 |
| O67 28017 0006 | 142470 | 0.357071 | 1704 | 6 | 3 | 2 | 1 | 0 | 1 | 30 | 106.4430433 | 66131 | 0 | 3.4 | 9 | 1 | 0 | $83.61 | 0 | 1 | 0 |
| O68 01014 0005 | 139300 | 0.333844 | 1726 | 7 | 3 | 2 | 1 | 0 | 1 | 44 | 106.4430433 | 78188 | 4.1 | 7.9 | 17.6 | 0 | 1 | $80.71 | 0 | 0 | 1 |
| O68 01207 0025 | 137960 | 0.392303 | 1646 | 7 | 3 | 2 | 1 | 0 | 1 | 43 | 106.4430433 | 78188 | 4.1 | 7.9 | 17.6 | 0 | 1 | $83.82 | 0 | 0 | 1 |
| O68 01518 0022 | 158910 | 0.265875 | 1509 | 6 | 3 | 2 | 1 | 0 | 1 | 37 | 106.4430433 | 78188 | 4.1 | 7.9 | 17.6 | 0 | 1 | $105.31 | 0 | 0 | 1 |
| O67 28016 0014 | 145240 | 0.452599 | 1748 | 7 | 3 | 2 | 1 | 0 | 1 | 30 | 106.4430433 | 66131 | 0 | 3.4 | 9 | 1 | 0 | $83.09 | 0 | 1 | 0 |
| O68 01006 0007 | 142350 | 0.343186 | 1720 | 8 | 4 | 2 | 1 | 0 | 1 | 45 | 106.4430433 | 78188 | 4.1 | 7.9 | 17.6 | 0 | 1 | $82.76 | 0 | 0 | 1 |
| O68 01006 0009 | 141520 | 0.329589 | 1720 | 7 | 4 | 2 | 1 | 0 | 1 | 45 | 106.4430433 | 78188 | 4.1 | 7.9 | 17.6 | 0 | 1 | $82.28 | 0 | 0 | 1 |
| O68 01015 0017 | 142360 | 0.344359 | 1695 | 7 | 3 | 2 | 1 | 0 | 1 | 45 | 106.4430433 | 78188 | 4.1 | 7.9 | 17.6 | 0 | 1 | $83.99 | 0 | 0 | 1 |
| O68 01207 0008 | 141920 | 0.327137 | 1646 | 8 | 3 | 2 | 1 | 0 | 1 | 41 | 106.4430433 | 78188 | 4.1 | 7.9 | 17.6 | 0 | 1 | $86.22 | 0 | 0 | 1 |
| O68 01015 0020 | 144260 | 0.355653 | 1570 | 7 | 3 | 2 | 1 | 0 | 1 | 44 | 106.4430433 | 78188 | 4.1 | 7.9 | 17.6 | 0 | 1 | $91.89 | 0 | 0 | 1 |
| O67 28016 0003 | 147700 | 0.45519 | 1748 | 6 | 3 | 2 | 1 | 0 | 1 | 32 | 106.4430433 | 66131 | 0 | 3.4 | 9 | 1 | 0 | $84.50 | 0 | 1 | 0 |
| O68 01014 0016 | 143500 | 0.389622 | 1925 | 7 | 4 | 1 | 1 | 0 | 1 | 45 | 106.4430433 | 78188 | 4.1 | 7.9 | 17.6 | 0 | 1 | $74.55 | 0 | 0 | 1 |
| O67 28017 0002 | 148770 | 0.440371 | 1752 | 7 | 3 | 2 | 2 | 0 | 1 | 28 | 106.4430433 | 66131 | 0 | 3.4 | 9 | 1 | 0 | $84.91 | 0 | 1 | 0 |
| O68 01015 0001 | 144720 | 0.327136 | 1824 | 6 | 3 | 2 | 1 | 0 | 1 | 45 | 106.4430433 | 78188 | 4.1 | 7.9 | 17.6 | 0 | 1 | $79.34 | 0 | 0 | 1 |
| O68 01208 0018 | 145940 | 0.433874 | 1708 | 7 | 3 | 2 | 1 | 0 | 1 | 44 | 106.4430433 | 78188 | 4.1 | 7.9 | 17.6 | 0 | 1 | $85.44 | 0 | 0 | 1 |
| O68 01518 0018 | 166160 | 0.183657 | 1862 | 8 | 4 | 2.5 | 1.5 | 0 | 1 | 37 | 106.4430433 | 78188 | 4.1 | 7.9 | 17.6 | 0 | 1 | $89.24 | 0 | 0 | 1 |
| O68 01518 0014 | 167050 | 0.178582 | 1823 | 6 | 3 | 2 | 1 | 0 | 1 | 37 | 106.4430433 | 78188 | 4.1 | 7.9 | 17.6 | 0 | 1 | $91.63 | 0 | 0 | 1 |
| O68 01015 0022 | 148320 | 0.347767 | 1740 | 7 | 3 | 2 | 1 | 0 | 1 | 44 | 106.4430433 | 78188 | 4.1 | 7.9 | 17.6 | 0 | 1 | $85.24 | 0 | 0 | 1 |

# STATISTICAL SPREADSHEET MODEL

| PARCEL_ID | Total_Value | Lot_Size_Acres | Home_SF | Total_Rooms | Total_Bedrooms | Total_Baths | House_Stories | Basement | Garage | Age_of_Home | School_District_Rating | Neighborhood_Median_Income | Neighborhood_Percent_Vacant | Neighborhood_Unemployment_Rate | Neighborhood_Percent_Minority | Constructed_Noise_wall | Noise_Berm | Total Value/Sq Ft | Control | Wall | Berm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| O67 28016 0013 | 152910 | 0.452314 | 1873 | 6 | 3 | 2 | 1 | 0 | 1 | 34 | 106.4430433 | 66131 | 0 | 3.4 | 9 | 1 | 0 | $81.64 | 0 | 1 | 0 |
| O68 01006 0005 | 148760 | 0.241857 | 1850 | 7 | 3 | 2 | 1 | 0 | 1 | 45 | 106.4430433 | 78188 | 4.1 | 7.9 | 17.6 | 0 | 1 | $80.41 | 0 | 0 | 1 |
| O68 01006 0004 | 154310 | 0.351459 | 1840 | 7 | 3 | 1.5 | 1 | 0 | 1 | 45 | 106.4430433 | 78188 | 4.1 | 7.9 | 17.6 | 0 | 1 | $83.86 | 0 | 0 | 1 |
| O68 01207 0023 | 148860 | 0.551568 | 1923 | 7 | 3 | 2 | 1 | 0 | 1 | 44 | 106.4430433 | 78188 | 4.1 | 7.9 | 17.6 | 0 | 1 | $77.41 | 0 | 0 | 1 |
| O67 28017 0009 | 153920 | 0.331612 | 1835 | 7 | 3 | 2 | 1 | 0 | 1 | 31 | 106.4430433 | 66131 | 0 | 3.4 | 9 | 1 | 0 | $83.88 | 0 | 1 | 0 |
| O68 01518 0023 | 169000 | 0.258767 | 1768 | 6 | 3 | 2 | 1 | 0 | 1 | 37 | 106.4430433 | 78188 | 4.1 | 7.9 | 17.6 | 0 | 1 | $95.59 | 0 | 0 | 1 |
| O68 01014 0014 | 165280 | 0.656524 | 1824 | 8 | 3 | 2 | 1 | 0 | 1 | 44 | 106.4430433 | 78188 | 4.1 | 7.9 | 17.6 | 0 | 1 | $90.61 | 0 | 0 | 1 |
| O67 28017 0003 | 154850 | 0.404754 | 1776 | 8 | 4 | 2.5 | 2 | 1 | 1 | 28 | 106.4430433 | 66131 | 0 | 3.4 | 9 | 1 | 0 | $87.19 | 0 | 1 | 0 |
| O68 01014 0012 | 153000 | 0.383604 | 1961 | 7 | 3 | 2 | 1 | 0 | 1 | 45 | 106.4430433 | 78188 | 4.1 | 7.9 | 17.6 | 0 | 1 | $78.02 | 0 | 0 | 1 |
| O68 01015 0002 | 149930 | 0.309919 | 1962 | 7 | 4 | 2 | 1 | 0 | 1 | 44 | 106.4430433 | 78188 | 4.1 | 7.9 | 17.6 | 0 | 1 | $76.42 | 0 | 0 | 1 |
| O68 01518 0003 | 170820 | 0.260182 | 1960 | 7 | 3 | 2.5 | 1.5 | 0 | 1 | 37 | 106.4430433 | 78188 | 4.1 | 7.9 | 17.6 | 0 | 1 | $87.15 | 0 | 0 | 1 |
| O68 01015 0014 | 152430 | 0.385818 | 1921 | 7 | 3 | 1.5 | 1 | 1 | 1 | 45 | 106.4430433 | 78188 | 4.1 | 7.9 | 17.6 | 0 | 1 | $79.35 | 0 | 0 | 1 |
| O67 17801 0001 | 158770 | 0.467174 | 2125 | 6 | 3 | 2 | 1 | 0 | 1 | 49 | 106.4430433 | 66131 | 0 | 3.4 | 9 | 1 | 0 | $74.72 | 0 | 1 | 0 |
| O67 28017 0001 | 159310 | 0.547737 | 1939 | 7 | 3 | 2.5 | 2 | 1 | 1 | 28 | 106.4430433 | 66131 | 0 | 3.4 | 9 | 1 | 0 | $82.16 | 0 | 1 | 0 |
| O68 01518 0015 | 174520 | 0.118679 | 1892 | 8 | 4 | 2.5 | 2 | 1 | 1 | 37 | 106.4430433 | 78188 | 4.1 | 7.9 | 17.6 | 0 | 1 | $92.24 | 0 | 0 | 1 |
| O67 17801 0002 | 159560 | 0.467174 | 2228 | 8 | 4 | 2 | 1 | 0 | 1 | 51 | 106.4430433 | 66131 | 0 | 3.4 | 9 | 1 | 0 | $71.62 | 0 | 1 | 0 |
| O68 01207 0002 | 156710 | 0.361578 | 1982 | 7 | 3 | 2 | 1 | 0 | 1 | 39 | 106.4430433 | 78188 | 4.1 | 7.9 | 17.6 | 0 | 1 | $79.07 | 0 | 0 | 1 |
| O68 01208 0002 | 154730 | 0.237497 | 2154 | 8 | 3 | 2 | 1 | 0 | 1 | 43 | 106.4430433 | 78188 | 4.1 | 7.9 | 17.6 | 0 | 1 | $71.83 | 0 | 0 | 1 |
| O68 01518 0017 | 175480 | 0.177431 | 1670 | 5 | 3 | 2.5 | 1 | 0 | 1 | 37 | 106.4430433 | 78188 | 4.1 | 7.9 | 17.6 | 0 | 1 | $105.08 | 0 | 0 | 1 |
| O68 01006 0015 | 156900 | 0.342332 | 2106 | 7 | 4 | 2 | 1 | 0 | 1 | 45 | 106.4430433 | 78188 | 4.1 | 7.9 | 17.6 | 0 | 1 | $74.50 | 0 | 0 | 1 |
| O67 28016 0010 | 162160 | 0.681214 | 2311 | 8 | 3 | 2.5 | 1 | 0 | 1 | 37 | 106.4430433 | 66131 | 0 | 3.4 | 9 | 1 | 0 | $70.17 | 0 | 1 | 0 |
| O68 01006 0011 | 159800 | 0.345667 | 2053 | 9 | 4 | 2.5 | 2 | 0 | 1 | 45 | 106.4430433 | 78188 | 4.1 | 7.9 | 17.6 | 0 | 1 | $77.84 | 0 | 0 | 1 |
| O68 01015 0026 | 164530 | 0.446048 | 2088 | 7 | 3 | 2.5 | 1 | 0 | 1 | 45 | 106.4430433 | 78188 | 4.1 | 7.9 | 17.6 | 0 | 1 | $78.80 | 0 | 0 | 1 |
| O68 01207 0019 | 159250 | 0.403116 | 2290 | 7 | 3 | 2 | 1 | 0 | 1 | 43 | 106.4430433 | 78188 | 4.1 | 7.9 | 17.6 | 0 | 1 | $69.54 | 0 | 0 | 1 |
| O68 01014 0002 | 160350 | 0.044653 | 1918 | 8 | 3 | 2 | 1 | 0 | 1 | 45 | 106.4430433 | 78188 | 4.1 | 7.9 | 17.6 | 0 | 1 | $83.60 | 0 | 0 | 1 |
| O68 01207 0004 | 160460 | 0.399791 | 2320 | 8 | 4 | 2.5 | 1 | 0 | 1 | 39 | 106.4430433 | 78188 | 4.1 | 7.9 | 17.6 | 0 | 1 | $69.16 | 0 | 0 | 1 |
| O68 01207 0026 | 161850 | 0.346728 | 2296 | 8 | 3 | 2 | 1 | 0 | 1 | 44 | 106.4430433 | 78188 | 4.1 | 7.9 | 17.6 | 0 | 1 | $70.49 | 0 | 0 | 1 |
| O68 01015 0008 | 160820 | 0.317478 | 2088 | 8 | 3 | 2.5 | 1 | 0 | 1 | 45 | 106.4430433 | 78188 | 4.1 | 7.9 | 17.6 | 0 | 1 | $77.02 | 0 | 0 | 1 |
| O68 01006 0014 | 161540 | 0.343734 | 2120 | 9 | 4 | 2.5 | 1 | 0 | 1 | 46 | 106.4430433 | 78188 | 4.1 | 7.9 | 17.6 | 0 | 1 | $76.20 | 0 | 0 | 1 |
| O67 17801 0006 | 166610 | 0.467317 | 2205 | 8 | 4 | 2.5 | 2 | 1 | 1 | 51 | 106.4430433 | 66131 | 0 | 3.4 | 9 | 1 | 0 | $75.56 | 0 | 1 | 0 |
| O68 01207 0010 | 161690 | 0.505053 | 2095 | 7 | 3 | 2.5 | 1 | 0 | 1 | 43 | 106.4430433 | 78188 | 4.1 | 7.9 | 17.6 | 0 | 1 | $77.18 | 0 | 0 | 1 |
| O68 01207 0022 | 162530 | 0.441948 | 2208 | 8 | 4 | 2.5 | 2 | 0 | 1 | 43 | 106.4430433 | 78188 | 4.1 | 7.9 | 17.6 | 0 | 1 | $73.61 | 0 | 0 | 1 |
| O68 01208 0007 | 164170 | 0.344279 | 2100 | 7 | 3 | 2.5 | 1 | 0 | 1 | 40 | 106.4430433 | 78188 | 4.1 | 7.9 | 17.6 | 0 | 1 | $78.18 | 0 | 0 | 1 |
| O68 01015 0005 | 163360 | 0.327136 | 2032 | 6 | 3 | 2.5 | 1 | 1 | 1 | 45 | 106.4430433 | 78188 | 4.1 | 7.9 | 17.6 | 0 | 1 | $80.39 | 0 | 0 | 1 |
| O67 17801 0003 | 168170 | 0.467173 | 2322 | 7 | 4 | 2.5 | 1 | 0 | 1 | 50 | 106.4430433 | 66131 | 0 | 3.4 | 9 | 1 | 0 | $72.42 | 0 | 1 | 0 |
| O67 28017 0008 | 168740 | 0.340098 | 2068 | 7 | 3 | 2.5 | 2 | 1 | 1 | 30 | 106.4430433 | 66131 | 0 | 3.4 | 9 | 1 | 0 | $81.60 | 0 | 1 | 0 |
| O68 01014 0021 | 167740 | 0.074964 | 2115 | 9 | 3 | 2.5 | 1 | 0 | 1 | 45 | 106.4430433 | 78188 | 4.1 | 7.9 | 17.6 | 0 | 1 | $79.31 | 0 | 0 | 1 |
| O68 01207 0024 | 164040 | 0.388988 | 2055 | 7 | 3 | 2.5 | 1 | 0 | 1 | 44 | 106.4430433 | 78188 | 4.1 | 7.9 | 17.6 | 0 | 1 | $79.82 | 0 | 0 | 1 |
| O68 01015 0029 | 175490 | 0.562625 | 2160 | 6 | 3 | 2.5 | 1 | 0 | 1 | 45 | 106.4430433 | 78188 | 4.1 | 7.9 | 17.6 | 0 | 1 | $81.25 | 0 | 0 | 1 |
| O68 01208 0012 | 164320 | 0.338496 | 2375 | 7 | 3 | 2 | 1 | 0 | 1 | 43 | 106.4430433 | 78188 | 4.1 | 7.9 | 17.6 | 0 | 1 | $69.19 | 0 | 0 | 1 |
| O68 01106 0002 | 166790 | 0.017963 | 2176 | 8 | 3 | 2.5 | 1 | 0 | 1 | 44 | 106.4430433 | 78188 | 4.1 | 7.9 | 17.6 | 0 | 1 | $76.65 | 0 | 0 | 1 |
| O68 01518 0008 | 179410 | 0.215939 | 2094 | 8 | 3 | 2.5 | 2 | 1 | 1 | 38 | 106.4430433 | 78188 | 4.1 | 7.9 | 17.6 | 0 | 1 | $85.68 | 0 | 0 | 1 |
| O68 01014 0001 | 169700 | 0.412111 | 2088 | 9 | 3 | 2.5 | 1 | 0 | 1 | 45 | 106.4430433 | 78188 | 4.1 | 7.9 | 17.6 | 0 | 1 | $81.27 | 0 | 0 | 1 |
| O68 01106 0001 | 165260 | 0.006043 | 2176 | 8 | 4 | 2.5 | 1 | 0 | 1 | 44 | 106.4430433 | 78188 | 4.1 | 7.9 | 17.6 | 0 | 1 | $75.95 | 0 | 0 | 1 |
| O68 01518 0002 | 185450 | 0.268795 | 2043 | 6 | 3 | 2 | 1 | 0 | 1 | 29 | 106.4430433 | 78188 | 4.1 | 7.9 | 17.6 | 0 | 1 | $90.77 | 0 | 0 | 1 |
| O68 01015 0018 | 167140 | 0.344359 | 2417 | 8 | 4 | 2 | 1 | 0 | 1 | 46 | 106.4430433 | 78188 | 4.1 | 7.9 | 17.6 | 0 | 1 | $69.15 | 0 | 0 | 1 |
| O67 28016 0009 | 171310 | 0.793218 | 1992 | 7 | 4 | 2.5 | 2 | 1 | 1 | 30 | 106.4430433 | 66131 | 0 | 3.4 | 9 | 1 | 0 | $86.00 | 0 | 1 | 0 |
| O68 01015 0012 | 166440 | 0.38235 | 2115 | 8 | 3 | 2.5 | 1 | 0 | 1 | 45 | 106.4430433 | 78188 | 4.1 | 7.9 | 17.6 | 0 | 1 | $78.70 | 0 | 0 | 1 |
| O67 17802 0006 | 171720 | 0.465556 | 2196 | 7 | 4 | 2.5 | 1 | 0 | 1 | 50 | 106.4430433 | 66131 | 0 | 3.4 | 9 | 1 | 0 | $78.20 | 0 | 1 | 0 |
| O68 01518 0004 | 187010 | 0.289608 | 2277 | 7 | 3 | 2 | 1 | 0 | 1 | 33 | 106.4430433 | 78188 | 4.1 | 7.9 | 17.6 | 0 | 1 | $82.13 | 0 | 0 | 1 |
| O68 01207 0030 | 168690 | 0.311403 | 2144 | 7 | 3 | 2.5 | 1 | 0 | 1 | 43 | 106.4430433 | 78188 | 4.1 | 7.9 | 17.6 | 0 | 1 | $78.68 | 0 | 0 | 1 |
| O67 28016 0011 | 172570 | 0.384344 | 1720 | 7 | 3 | 2.5 | 1 | 1 | 1 | 30 | 106.4430433 | 66131 | 0 | 3.4 | 9 | 1 | 0 | $100.33 | 0 | 1 | 0 |
| O68 01208 0016 | 167630 | 0.414325 | 2088 | 7 | 3 | 2.5 | 1 | 0 | 1 | 44 | 106.4430433 | 78188 | 4.1 | 7.9 | 17.6 | 0 | 1 | $80.28 | 0 | 0 | 1 |
| O68 01207 0021 | 167760 | 0.389771 | 2144 | 7 | 3 | 2.5 | 1 | 0 | 1 | 44 | 106.4430433 | 78188 | 4.1 | 7.9 | 17.6 | 0 | 1 | $78.25 | 0 | 0 | 1 |
| O68 01015 0006 | 167690 | 0.327457 | 2088 | 8 | 3 | 2.5 | 1 | 0 | 1 | 45 | 106.4430433 | 78188 | 4.1 | 7.9 | 17.6 | 0 | 1 | $80.31 | 0 | 0 | 1 |
| O68 01006 0013 | 170970 | 0.380914 | 2332 | 7 | 3 | 2.5 | 1 | 1 | 1 | 45 | 106.4430433 | 78188 | 4.1 | 7.9 | 17.6 | 0 | 1 | $73.31 | 0 | 0 | 1 |
| O68 01014 0009 | 169090 | 0.007838 | 2212 | 8 | 3 | 2.5 | 1 | 0 | 1 | 45 | 106.4430433 | 78188 | 4.1 | 7.9 | 17.6 | 0 | 1 | $76.44 | 0 | 0 | 1 |
| O68 01207 0028 | 169690 | 0.273942 | 2406 | 8 | 4 | 2.5 | 2 | 0 | 1 | 43 | 106.4430433 | 78188 | 4.1 | 7.9 | 17.6 | 0 | 1 | $70.53 | 0 | 0 | 1 |
| O68 01006 0016 | 175290 | 0.439248 | 2357 | 6 | 3 | 2.5 | 2 | 0 | 1 | 45 | 106.4430433 | 78188 | 4.1 | 7.9 | 17.6 | 0 | 1 | $74.37 | 0 | 0 | 1 |
| O68 01208 0017 | 169930 | 0.439073 | 2448 | 9 | 4 | 2 | 1 | 0 | 1 | 43 | 106.4430433 | 78188 | 4.1 | 7.9 | 17.6 | 0 | 1 | $69.42 | 0 | 0 | 1 |
| O68 01518 0011 | 190100 | 0.20264 | 2236 | 10 | 3 | 2.5 | 2 | 1 | 1 | 38 | 106.4430433 | 78188 | 4.1 | 7.9 | 17.6 | 0 | 1 | $85.02 | 0 | 0 | 1 |
| O68 01208 0011 | 172460 | 0.349363 | 2460 | 8 | 4 | 2.5 | 2 | 0 | 1 | 43 | 106.4430433 | 78188 | 4.1 | 7.9 | 17.6 | 0 | 1 | $70.11 | 0 | 0 | 1 |
| O68 01207 0003 | 172930 | 0.361578 | 2312 | 8 | 4 | 2.5 | 1 | 0 | 1 | 39 | 106.4430433 | 78188 | 4.1 | 7.9 | 17.6 | 0 | 1 | $74.80 | 0 | 0 | 1 |
| O68 01015 0011 | 176960 | 0.418245 | 1684 | 9 | 5 | 3 | 1 | 1 | 1 | 45 | 106.4430433 | 78188 | 4.1 | 7.9 | 17.6 | 0 | 1 | $105.08 | 0 | 0 | 1 |
| O68 01014 0007 | 172770 | 0.340051 | 1684 | 8 | 4 | 3 | 1 | 1 | 1 | 45 | 106.4430433 | 78188 | 4.1 | 7.9 | 17.6 | 0 | 1 | $102.60 | 0 | 0 | 1 |
| O68 01015 0003 | 171770 | 0.327136 | 2160 | 7 | 3 | 2.5 | 1 | 0 | 1 | 45 | 106.4430433 | 78188 | 4.1 | 7.9 | 17.6 | 0 | 1 | $79.52 | 0 | 0 | 1 |
| O68 01014 0010 | 171320 | 0.321155 | 2294 | 7 | 3 | 2.5 | 1 | 0 | 1 | 44 | 106.4430433 | 78188 | 4.1 | 7.9 | 17.6 | 0 | 1 | $74.68 | 0 | 0 | 1 |
| O68 01014 0013 | 186370 | 0.62555 | 2308 | 7 | 3 | 2 | 1 | 0 | 1 | 45 | 106.4430433 | 78188 | 4.1 | 7.9 | 17.6 | 0 | 1 | $80.75 | 0 | 0 | 1 |
| O68 01006 0012 | 175700 | 0.377222 | 2212 | 7 | 3 | 2.5 | 1 | 0 | 1 | 45 | 106.4430433 | 78188 | 4.1 | 7.9 | 17.6 | 0 | 1 | $79.43 | 0 | 0 | 1 |
| O67 17801 0007 | 177430 | 0.467322 | 2338 | 8 | 2 | 2.5 | 1 | 0 | 1 | 46 | 106.4430433 | 66131 | 0 | 3.4 | 9 | 1 | 0 | $75.89 | 0 | 1 | 0 |
| O67 17802 0001 | 177690 | 0.516414 | 2160 | 8 | 4 | 2.5 | 2 | 1 | 1 | 50 | 106.4430433 | 66131 | 0 | 3.4 | 9 | 1 | 0 | $82.26 | 0 | 1 | 0 |
| O68 01015 0024 | 178340 | 0.429308 | 1684 | 8 | 5 | 3 | 1 | 1 | 1 | 45 | 106.4430433 | 78188 | 4.1 | 7.9 | 17.6 | 0 | 1 | $105.90 | 0 | 0 | 1 |
| O68 01207 0031 | 173170 | 0.400635 | 2144 | 7 | 3 | 2.5 | 1 | 0 | 1 | 43 | 106.4430433 | 78188 | 4.1 | 7.9 | 17.6 | 0 | 1 | $80.77 | 0 | 0 | 1 |
| O67 17802 0003 | 178250 | 0.558464 | 2663 | 9 | 4 | 2.5 | 1 | 0 | 1 | 46 | 106.4430433 | 66131 | 0 | 3.4 | 9 | 1 | 0 | $66.94 | 0 | 1 | 0 |
| O67 28016 0008 | 178610 | 0.580902 | 2552 | 8 | 4 | 2.5 | 1.5 | 0 | 1 | 37 | 106.4430433 | 66131 | 0 | 3.4 | 9 | 1 | 0 | $69.99 | 0 | 1 | 0 |
| O67 28017 0010 | 178880 | 0.337262 | 2352 | 8 | 4 | 2.5 | 2 | 0 | 1 | 37 | 106.4430433 | 66131 | 0 | 3.4 | 9 | 1 | 0 | $76.05 | 0 | 1 | 0 |

# STATISTICAL SPREADSHEET MODEL

| PARCEL_ID | Total_Value | Lot_Size_Acres | Home_SF | Total_Rooms | Total_Bedrooms | Total_Baths | House_Stories | Basement | Garage | Age_of_Home | School_District_Rating | Neighborhood_Median_Income | Neighborhood_Percent_Vacant | Neighborhood_Unemployment_Rate | Neighborhood_Percent_Minority | Constructed_Noise_wall | Noise_Berm | Total Value/Sq Ft | Control | Wall | Berm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| O68 01006 0010 | 175550 | 0.345422 | 1935 | 8 | 3 | 2.5 | 1 | 1 | 1 | 45 | 106.4430433 | 78188 | 4.1 | 7.9 | 17.6 | 0 | 1 | $90.72 | 0 | 0 | 1 |
| O67 28016 0002 | 179130 | 0.435453 | 1742 | 6 | 3 | 3 | 1 | 1 | 1 | 31 | 106.4430433 | 66131 | 0 | 3.4 | 9 | 1 | 0 | $102.83 | 0 | 1 | 0 |
| O68 01006 0008 | 176150 | 0.349284 | 1697 | 9 | 4 | 3 | 1 | 1 | 1 | 45 | 106.4430433 | 78188 | 4.1 | 7.9 | 17.6 | 0 | 1 | $103.80 | 0 | 0 | 1 |
| O68 01014 0019 | 174610 | 0.336423 | 1935 | 8 | 4 | 2.5 | 1 | 1 | 1 | 45 | 106.4430433 | 78188 | 4.1 | 7.9 | 17.6 | 0 | 1 | $90.24 | 0 | 0 | 1 |
| O68 01207 0015 | 175930 | 0.344356 | 2415 | 9 | 4 | 2.5 | 2 | 0 | 1 | 43 | 106.4430433 | 78188 | 4.1 | 7.9 | 17.6 | 0 | 1 | $72.85 | 0 | 0 | 1 |
| O68 01518 0007 | 194820 | 0.244967 | 2130 | 7 | 4 | 3 | 2 | 1 | 1 | 38 | 106.4430433 | 78188 | 4.1 | 7.9 | 17.6 | 0 | 1 | $91.46 | 0 | 0 | 1 |
| O68 01208 0001 | 175010 | 0.271172 | 2406 | 8 | 4 | 2.5 | 2 | 0 | 1 | 43 | 106.4430433 | 78188 | 4.1 | 7.9 | 17.6 | 0 | 1 | $72.74 | 0 | 0 | 1 |
| O68 01207 0005 | 175490 | 0.52769 | 2294 | 7 | 3 | 2.5 | 1 | 0 | 1 | 43 | 106.4430433 | 78188 | 4.1 | 7.9 | 17.6 | 0 | 1 | $76.50 | 0 | 0 | 1 |
| O67 03710 0101 | 180580 | 0.460341 | 2402 | 7 | 3 | 2 | 1 | 0 | 1 | 32 | 106.4430433 | 66131 | 0 | 3.4 | 9 | 1 | 0 | $75.18 | 0 | 1 | 0 |
| O67 17801 0008 | 180690 | 0.44897 | 2379 | 7 | 4 | 3 | 1 | 1 | 1 | 45 | 106.4430433 | 66131 | 0 | 3.4 | 9 | 1 | 0 | $75.95 | 0 | 1 | 0 |
| O68 01015 0015 | 177740 | 0.344347 | 2674 | 9 | 4 | 2.5 | 2 | 0 | 1 | 45 | 106.4430433 | 78188 | 4.1 | 7.9 | 17.6 | 0 | 1 | $66.47 | 0 | 0 | 1 |
| O68 01207 0001 | 176450 | 0.309924 | 2270 | 8 | 3 | 2.5 | 1 | 0 | 1 | 39 | 106.4430433 | 78188 | 4.1 | 7.9 | 17.6 | 0 | 1 | $77.73 | 0 | 0 | 1 |
| O67 28016 0006 | 182240 | 0.619627 | 1962 | 6 | 3 | 3.5 | 1 | 0 | 1 | 29 | 106.4430433 | 66131 | 0 | 3.4 | 9 | 1 | 0 | $92.88 | 0 | 1 | 0 |
| O67 28017 0005 | 182370 | 0.410917 | 2672 | 9 | 4 | 2.5 | 2 | 0 | 1 | 37 | 106.4430433 | 78188 | 4.1 | 7.9 | 17.6 | 0 | 1 | $68.25 | 0 | 0 | 1 |
| O68 01015 0023 | 178120 | 0.348242 | 2030 | 5 | 3 | 2.5 | 1 | 1 | 1 | 44 | 106.4430433 | 78188 | 4.1 | 7.9 | 17.6 | 0 | 1 | $87.74 | 0 | 0 | 1 |
| O68 01207 0014 | 179150 | 0.344356 | 2534 | 8 | 4 | 2.5 | 2 | 0 | 1 | 43 | 106.4430433 | 78188 | 4.1 | 7.9 | 17.6 | 0 | 1 | $70.70 | 0 | 0 | 1 |
| O68 01207 0017 | 180330 | 0.340133 | 2366 | 8 | 3 | 2.5 | 1 | 0 | 1 | 43 | 106.4430433 | 78188 | 4.1 | 7.9 | 17.6 | 0 | 1 | $76.22 | 0 | 0 | 1 |
| O68 01014 0020 | 178910 | 0.439512 | 1684 | 9 | 5 | 3 | 1 | 1 | 1 | 45 | 106.4430433 | 78188 | 4.1 | 7.9 | 17.6 | 0 | 1 | $106.24 | 0 | 0 | 1 |
| O67 17802 0005 | 184150 | 0.46793 | 2856 | 9 | 4 | 2.5 | 1 | 0 | 1 | 46 | 106.4430433 | 66131 | 0 | 3.4 | 9 | 1 | 0 | $64.48 | 0 | 1 | 0 |
| O68 01015 0007 | 182270 | 0.381209 | 1934 | 9 | 4 | 2.5 | 1 | 1 | 1 | 45 | 106.4430433 | 78188 | 4.1 | 7.9 | 17.6 | 0 | 1 | $94.25 | 0 | 0 | 1 |
| O68 01207 0027 | 180050 | 0.263606 | 2069 | 9 | 4 | 2.5 | 1 | 1 | 1 | 44 | 106.4430433 | 78188 | 4.1 | 7.9 | 17.6 | 0 | 1 | $87.02 | 0 | 0 | 1 |
| O68 01207 0007 | 180740 | 0.344354 | 2079 | 7 | 3 | 2.5 | 1 | 1 | 1 | 43 | 106.4430433 | 78188 | 4.1 | 7.9 | 17.6 | 0 | 1 | $86.94 | 0 | 0 | 1 |
| O68 01006 0006 | 179930 | 0.243828 | 2726 | 7 | 4 | 2.5 | 2 | 0 | 1 | 45 | 106.4430433 | 78188 | 4.1 | 7.9 | 17.6 | 0 | 1 | $66.01 | 0 | 0 | 1 |
| O68 01208 0003 | 179540 | 0.214162 | 2622 | 8 | 3 | 2.5 | 2 | 0 | 1 | 43 | 106.4430433 | 78188 | 4.1 | 7.9 | 17.6 | 0 | 1 | $68.47 | 0 | 0 | 1 |
| O68 01014 0015 | 184310 | 0.399037 | 1684 | 9 | 4 | 3 | 1 | 1 | 1 | 45 | 106.4430433 | 78188 | 4.1 | 7.9 | 17.6 | 0 | 1 | $109.45 | 0 | 0 | 1 |
| O68 01015 0016 | 181110 | 0.344354 | 1766 | 7 | 3 | 3.5 | 1 | 1 | 1 | 45 | 106.4430433 | 78188 | 4.1 | 7.9 | 17.6 | 0 | 1 | $102.55 | 0 | 0 | 1 |
| O68 01015 0025 | 183740 | 0.393201 | 2030 | 7 | 3 | 2.5 | 1 | 1 | 1 | 44 | 106.4430433 | 78188 | 4.1 | 7.9 | 17.6 | 0 | 1 | $90.51 | 0 | 0 | 1 |
| O68 01518 0024 | 200210 | 0.172177 | 2197 | 7 | 3 | 2.5 | 1 | 0 | 1 | 31 | 106.4430433 | 78188 | 4.1 | 7.9 | 17.6 | 0 | 1 | $91.13 | 0 | 0 | 1 |
| O67 17801 0005 | 185450 | 0.461415 | 2495 | 7 | 4 | 2.5 | 1 | 0 | 1 | 46 | 106.4430433 | 66131 | 0 | 3.4 | 9 | 1 | 0 | $74.33 | 0 | 1 | 0 |
| O68 01208 0010 | 181590 | 0.327136 | 2146 | 8 | 4 | 2.5 | 1 | 1 | 1 | 43 | 106.4430433 | 78188 | 4.1 | 7.9 | 17.6 | 0 | 1 | $84.62 | 0 | 0 | 1 |
| O67 17801 0004 | 186920 | 0.467174 | 2666 | 8 | 4 | 2.5 | 2 | 0 | 1 | 50 | 106.4430433 | 66131 | 0 | 3.4 | 9 | 1 | 0 | $70.11 | 0 | 1 | 0 |
| O68 01015 0021 | 184450 | 0.373805 | 2137 | 7 | 3 | 2.5 | 1 | 1 | 1 | 45 | 106.4430433 | 78188 | 4.1 | 7.9 | 17.6 | 0 | 1 | $86.31 | 0 | 0 | 1 |
| O68 01207 0029 | 182740 | 0.289786 | 2069 | 8 | 4 | 2.5 | 1 | 1 | 1 | 44 | 106.4430433 | 78188 | 4.1 | 7.9 | 17.6 | 0 | 1 | $88.32 | 0 | 0 | 1 |
| O68 01208 0005 | 182370 | 0.360097 | 2366 | 8 | 4 | 2.5 | 1 | 0 | 1 | 40 | 106.4430433 | 78188 | 4.1 | 7.9 | 17.6 | 0 | 1 | $77.08 | 0 | 0 | 1 |
| O68 01207 0013 | 183790 | 0.344359 | 2142 | 8 | 4 | 2.5 | 1 | 1 | 1 | 43 | 106.4430433 | 78188 | 4.1 | 7.9 | 17.6 | 0 | 1 | $85.80 | 0 | 0 | 1 |
| O68 01014 0023 | 187430 | 0.412111 | 2196 | 9 | 4 | 2.5 | 1 | 1 | 1 | 45 | 106.4430433 | 78188 | 4.1 | 7.9 | 17.6 | 0 | 1 | $85.35 | 0 | 0 | 1 |
| O68 01518 0006 | 202840 | 0.192018 | 2258 | 10 | 4 | 2.5 | 2 | 0 | 1 | 38 | 106.4430433 | 78188 | 4.1 | 7.9 | 17.6 | 0 | 1 | $89.83 | 0 | 0 | 1 |
| O68 01208 0006 | 185370 | 0.353216 | 2149 | 8 | 4 | 2.5 | 1 | 1 | 1 | 40 | 106.4430433 | 78188 | 4.1 | 7.9 | 17.6 | 0 | 1 | $86.26 | 0 | 0 | 1 |
| O68 01518 0009 | 203910 | 0.196549 | 2305 | 7 | 3 | 3.5 | 2 | 1 | 1 | 38 | 106.4430433 | 78188 | 4.1 | 7.9 | 17.6 | 0 | 1 | $88.46 | 0 | 0 | 1 |
| O68 01014 0011 | 186420 | 0.369034 | 1961 | 7 | 3 | 3.5 | 1 | 1 | 1 | 45 | 106.4430433 | 78188 | 4.1 | 7.9 | 17.6 | 0 | 1 | $95.06 | 0 | 0 | 1 |
| O68 01518 0010 | 204670 | 0.24876 | 2012 | 10 | 4 | 2.5 | 2 | 1 | 1 | 38 | 106.4430433 | 78188 | 4.1 | 7.9 | 17.6 | 0 | 1 | $101.72 | 0 | 0 | 1 |
| O68 01207 0020 | 185120 | 0.425145 | 2536 | 8 | 4 | 2.5 | 2 | 0 | 1 | 39 | 106.4430433 | 78188 | 4.1 | 7.9 | 17.6 | 0 | 1 | $73.00 | 0 | 0 | 1 |
| O67 28016 0004 | 190170 | 1.097746 | 2822 | 10 | 4 | 2.5 | 1 | 0 | 1 | 50 | 106.4430433 | 66131 | 0 | 3.4 | 9 | 1 | 0 | $67.39 | 0 | 1 | 0 |
| O68 01518 0020 | 205370 | 0.200595 | 2280 | 8 | 3 | 2.5 | 2 | 1 | 1 | 37 | 106.4430433 | 78188 | 4.1 | 7.9 | 17.6 | 0 | 1 | $90.07 | 0 | 0 | 1 |
| O68 01207 0011 | 185530 | 0.358235 | 2069 | 8 | 4 | 2.5 | 1 | 1 | 1 | 43 | 106.4430433 | 78188 | 4.1 | 7.9 | 17.6 | 0 | 1 | $89.67 | 0 | 0 | 1 |
| O68 01015 0010 | 188010 | 0.384318 | 1849 | 7 | 3 | 3 | 1 | 1 | 1 | 45 | 106.4430433 | 78188 | 4.1 | 7.9 | 17.6 | 0 | 1 | $101.68 | 0 | 0 | 1 |
| O68 01518 0012 | 206250 | 0.161082 | 2647 | 7 | 3 | 2.5 | 2 | 0 | 1 | 32 | 106.4430433 | 78188 | 4.1 | 7.9 | 17.6 | 0 | 1 | $77.92 | 0 | 0 | 1 |
| O68 01208 0004 | 186930 | 0.259799 | 1933 | 9 | 4 | 3 | 1 | 1 | 1 | 42 | 106.4430433 | 78188 | 4.1 | 7.9 | 17.6 | 0 | 1 | $96.70 | 0 | 0 | 1 |
| O68 01208 0014 | 187140 | 0.416013 | 2233 | 8 | 4 | 2.5 | 1 | 1 | 1 | 44 | 106.4430433 | 78188 | 4.1 | 7.9 | 17.6 | 0 | 1 | $83.81 | 0 | 0 | 1 |
| O68 01015 0019 | 188910 | 0.352869 | 2195 | 8 | 4 | 3 | 1 | 1 | 1 | 44 | 106.4430433 | 78188 | 4.1 | 7.9 | 17.6 | 0 | 1 | $86.06 | 0 | 0 | 1 |
| O68 01106 0013 | 192630 | 0.044293 | 2111 | 8 | 4 | 3 | 1 | 1 | 1 | 44 | 106.4430433 | 78188 | 4.1 | 7.9 | 17.6 | 0 | 1 | $91.25 | 0 | 0 | 1 |
| O68 01014 0006 | 190030 | 0.344366 | 1961 | 8 | 4 | 3 | 1 | 1 | 1 | 45 | 106.4430433 | 78188 | 4.1 | 7.9 | 17.6 | 0 | 1 | $96.90 | 0 | 0 | 1 |
| O68 01015 0009 | 190610 | 0.374502 | 2902 | 8 | 4 | 2.5 | 2 | 0 | 1 | 45 | 106.4430433 | 78188 | 4.1 | 7.9 | 17.6 | 0 | 1 | $65.68 | 0 | 0 | 1 |
| O68 01208 0013 | 189460 | 0.411859 | 2233 | 9 | 4 | 2.5 | 1 | 1 | 1 | 43 | 106.4430433 | 78188 | 4.1 | 7.9 | 17.6 | 0 | 1 | $84.85 | 0 | 0 | 1 |
| O68 01207 0006 | 192510 | 0.375806 | 2184 | 8 | 4 | 3 | 1 | 1 | 1 | 42 | 106.4430433 | 78188 | 4.1 | 7.9 | 17.6 | 0 | 1 | $88.15 | 0 | 0 | 1 |
| O68 01517 0020 | 211250 | 0.000532 | 2578 | 7 | 3 | 2.5 | 2 | 0 | 1 | 33 | 106.4430433 | 78188 | 4.1 | 7.9 | 17.6 | 0 | 1 | $81.94 | 0 | 0 | 1 |
| O68 01207 0016 | 191530 | 0.371768 | 2261 | 8 | 4 | 3 | 1 | 1 | 1 | 43 | 106.4430433 | 78188 | 4.1 | 7.9 | 17.6 | 0 | 1 | $84.71 | 0 | 0 | 1 |
| O68 01015 0013 | 191660 | 0.368566 | 2162 | 7 | 3 | 2.5 | 1 | 1 | 1 | 45 | 106.4430433 | 78188 | 4.1 | 7.9 | 17.6 | 0 | 1 | $88.65 | 0 | 0 | 1 |
| O68 01207 0012 | 196530 | 0.412323 | 1963 | 8 | 4 | 2.5 | 1 | 1 | 1 | 43 | 106.4430433 | 78188 | 4.1 | 7.9 | 17.6 | 0 | 1 | $100.12 | 0 | 0 | 1 |
| O67 28016 0012 | 197300 | 0.420255 | 2765 | 9 | 4 | 3 | 1 | 1 | 1 | 32 | 106.4430433 | 66131 | 0 | 3.4 | 9 | 1 | 0 | $71.36 | 0 | 1 | 0 |
| O68 01014 0008 | 192400 | 0.076585 | 2650 | 8 | 4 | 2 | 2 | 0 | 1 | 39 | 106.4430433 | 78188 | 4.1 | 7.9 | 17.6 | 0 | 1 | $72.60 | 0 | 0 | 1 |
| O67 28017 0007 | 197740 | 0.348584 | 2876 | 8 | 4 | 2.5 | 2 | 0 | 1 | 37 | 106.4430433 | 66131 | 0 | 3.4 | 9 | 1 | 0 | $68.76 | 0 | 1 | 0 |
| O68 01208 0008 | 194110 | 0.34436 | 2148 | 9 | 4 | 3 | 1 | 1 | 1 | 40 | 106.4430433 | 78188 | 4.1 | 7.9 | 17.6 | 0 | 1 | $90.37 | 0 | 0 | 1 |
| O68 01014 0018 | 192820 | 0.588749 | 1684 | 8 | 4 | 3 | 1 | 1 | 1 | 45 | 106.4430433 | 78188 | 4.1 | 7.9 | 17.6 | 0 | 1 | $114.50 | 0 | 0 | 1 |
| O68 01518 0021 | 213230 | 0.186795 | 2331 | 6 | 3 | 2.5 | 1 | 0 | 1 | 29 | 106.4430433 | 78188 | 4.1 | 7.9 | 17.6 | 0 | 1 | $91.48 | 0 | 0 | 1 |
| O68 01208 0015 | 193570 | 0.620933 | 2730 | 8 | 4 | 3 | 2 | 0 | 1 | 43 | 106.4430433 | 78188 | 4.1 | 7.9 | 17.6 | 0 | 1 | $70.90 | 0 | 0 | 1 |
| O68 01208 0009 | 195230 | 0.344355 | 2184 | 8 | 4 | 2.5 | 1 | 1 | 1 | 43 | 106.4430433 | 78188 | 4.1 | 7.9 | 17.6 | 0 | 1 | $89.39 | 0 | 0 | 1 |
| O68 01014 0022 | 200270 | 0.419409 | 1968 | 9 | 4 | 3.5 | 1 | 1 | 1 | 45 | 106.4430433 | 78188 | 4.1 | 7.9 | 17.6 | 0 | 1 | $101.76 | 0 | 0 | 1 |
| O67 17802 0004 | 200600 | 0.61694 | 2908 | 9 | 5 | 2.5 | 1 | 0 | 1 | 50 | 106.4430433 | 66131 | 0 | 3.4 | 9 | 1 | 0 | $68.98 | 0 | 1 | 0 |
| O68 01014 0004 | 198530 | 0.018679 | 2212 | 7 | 4 | 3.5 | 1 | 1 | 1 | 45 | 106.4430433 | 78188 | 4.1 | 7.9 | 17.6 | 0 | 1 | $89.75 | 0 | 0 | 1 |
| O67 28016 0015 | 202030 | 0.419556 | 2836 | 9 | 4 | 2.5 | 2 | 1 | 1 | 37 | 106.4430433 | 66131 | 0 | 3.4 | 9 | 1 | 0 | $71.24 | 0 | 1 | 0 |
| O68 01207 0009 | 201320 | 0.373116 | 2184 | 8 | 4 | 3.5 | 1 | 1 | 1 | 42 | 106.4430433 | 78188 | 4.1 | 7.9 | 17.6 | 0 | 1 | $92.18 | 0 | 0 | 1 |
| O68 01207 0018 | 199630 | 0.344348 | 2219 | 8 | 4 | 3 | 1 | 1 | 1 | 43 | 106.4430433 | 78188 | 4.1 | 7.9 | 17.6 | 0 | 1 | $89.96 | 0 | 0 | 1 |
| O68 01015 0028 | 208970 | 0.523481 | 2852 | 10 | 4 | 2.5 | 2 | 0 | 1 | 44 | 106.4430433 | 78188 | 4.1 | 7.9 | 17.6 | 0 | 1 | $73.27 | 0 | 0 | 1 |
| O68 01015 0004 | 202400 | 0.309918 | 3497 | 9 | 4 | 2.5 | 2 | 0 | 1 | 43 | 106.4430433 | 78188 | 4.1 | 7.9 | 17.6 | 0 | 1 | $57.88 | 0 | 0 | 1 |
| O68 01518 0013 | 223230 | 0.160686 | 2256 | 9 | 4 | 3.5 | 2 | 1 | 1 | 29 | 106.4430433 | 78188 | 4.1 | 7.9 | 17.6 | 0 | 1 | $98.95 | 0 | 0 | 1 |

# STATISTICAL SPREADSHEET MODEL

| PARCEL_ID | Total_Value | Lot_Size_Acres | Home_SF | Total_Rooms | Total_Bedrooms | Total_Baths | House_Stories | Basement | Garage | Age_of_Home | School_District_Rating | Neighborhood_Median_Income | Neighborhood_Percent_Vacant | Neighborhood_Unemployment_Rate | Neighborhood_Percent_Minority | Constructed_Noise_wall | Noise_Berm | Total Value/ Sq Ft | Control | Wall | Berm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| O67 17802 0002 | 215740 | 0.542567 | 3142 | 10 | 4 | 2.5 | 2 | 1 | 1 | 46 | 106.4430433 | 66131 | 0 | 3.4 | 9 | 1 | 0 | $68.66 | 0 | 1 | 0 |
| O68 01518 0005 | 235310 | 0.346164 | 2646 | 13 | 5 | 3.5 | 2 | 1 | 1 | 36 | 106.4430433 | 78188 | 4.1 | 7.9 | 17.6 | 0 | 1 | $88.93 | 0 | 0 | 1 |
| O67 28016 0001 | 223200 | 0.554898 | 2704 | 9 | 4 | 2.5 | 2 | 1 | 1 | 37 | 106.4430433 | 66131 | 0 | 3.4 | 9 | 1 | 0 | $82.54 | 0 | 1 | 0 |
| O67 28016 0005 | 228130 | 0.831952 | 2489 | 7 | 4 | 3 | 1 | 0 | 1 | 27 | 106.4430433 | 66131 | 0 | 3.4 | 9 | 1 | 0 | $91.66 | 0 | 1 | 0 |
| O67 28017 0004 | 229640 | 0.730006 | 2472 | 7 | 3 | 2.5 | 2 | 0 | 1 | 22 | 106.4430433 | 66131 | 0 | 3.4 | 9 | 1 | 0 | $92.90 | 0 | 1 | 0 |
| O68 01518 0019 | 251830 | 0.211698 | 2514 | 7 | 3 | 3.5 | 2 | 1 | 1 | 34 | 106.4430433 | 78188 | 4.1 | 7.9 | 17.6 | 0 | 1 | $100.17 | 0 | 0 | 1 |
| O67 28016 0007 | 275450 | 0.481705 | 3032 | 7 | 3 | 2.5 | 2 | 0 | 1 | 27 | 106.4430433 | 66131 | 0 | 3.4 | 9 | 1 | 0 | $90.85 | 0 | 1 | 0 |
| 3.1723E+13 | 1494500 | 0.004075 | 1241 | 6 | 3 | 1 | 2 | 0 | 1 | 115 | 108.7211663 | 130932 | 0 | 0.02 | 0.058 | 1 | 0 | $1,204.27 | 0 | 1 | 0 |
| 3.18143E+13 | 176600 | 0.262767 | 2172 | 8 | 3 | 2.5 | 2 | 1 | 1 | 14 | 108.7211663 | 132697 | 0 | 0.019 | 0.074 | 1 | 0 | $81.31 | 0 | 1 | 0 |
| 3.18143E+13 | 177000 | 0.244275 | 1974 | 7 | 3 | 2.5 | 2 | 1 | 1 | 13 | 108.7211663 | 132697 | 0 | 0.019 | 0.074 | 1 | 0 | $89.67 | 0 | 1 | 0 |
| 3.1814E+13 | 213600 | 0.18947 | 1749 | 6 | 2 | 2 | 1 | 1 | 1 | 12 | 108.7211663 | 132697 | 0 | 0.019 | 0.074 | 0 | 1 | $122.13 | 0 | 0 | 1 |
| 3.18143E+13 | 191900 | 0.254277 | 2168 | 8 | 4 | 2.5 | 2 | 1 | 1 | 13 | 108.7211663 | 132697 | 0 | 0.019 | 0.074 | 1 | 0 | $88.51 | 0 | 1 | 0 |
| 3.18143E+13 | 193300 | 0.243965 | 2184 | 8 | 4 | 2.5 | 2 | 1 | 1 | 13 | 108.7211663 | 132697 | 0 | 0.019 | 0.074 | 1 | 0 | $88.51 | 0 | 1 | 0 |
| 3.1814E+13 | 215600 | 0.165849 | 1584 | 6 | 3 | 2 | 1 | 1 | 1 | 5 | 108.7211663 | 132697 | 0 | 0.019 | 0.074 | 0 | 1 | $136.11 | 0 | 0 | 1 |
| 3.18143E+13 | 199500 | 0.224662 | 2564 | 8 | 4 | 2.5 | 2 | 1 | 1 | 12 | 108.7211663 | 132697 | 0 | 0.019 | 0.074 | 1 | 0 | $77.81 | 0 | 1 | 0 |
| 3.18143E+13 | 199800 | 0.262225 | 2324 | 9 | 5 | 2.5 | 2 | 1 | Yes | 13 | 108.7211663 | 132697 | 0 | 0.019 | 0.074 | 1 | 0 | $85.97 | 0 | 1 | 0 |
| 3.18143E+13 | 204000 | 0.3413 | 2876 | 9 | 4 | 2.5 | 2 | 1 | 1 | 12 | 108.7211663 | 132697 | 0 | 0.019 | 0.074 | 1 | 0 | $70.93 | 0 | 1 | 0 |
| 3.18143E+13 | 204000 | 0.000214 | 2888 | 8 | 4 | 2.5 | 2 | 1 | 1 | 11 | 108.7211663 | 132697 | 0 | 0.019 | 0.074 | 1 | 0 | $70.64 | 0 | 1 | 0 |
| 3.18143E+13 | 203000 | 0.242914 | 2354 | 8 | 4 | 2.5 | 2 | 1 | 1 | 13 | 108.7211663 | 132697 | 0 | 0.019 | 0.074 | 0 | 1 | $86.24 | 0 | 0 | 1 |
| 3.18143E+13 | 204000 | 0.337515 | 2386 | 8 | 3 | 2.5 | 2 | 1 | 1 | 11 | 108.7211663 | 132697 | 0 | 0.019 | 0.074 | 1 | 0 | $85.50 | 0 | 1 | 0 |
| 3.18143E+13 | 206200 | 0.223917 | 2555 | 7 | 3 | 2.5 | 2 | 1 | 1 | 12 | 108.7211663 | 132697 | 0 | 0.019 | 0.074 | 1 | 0 | $80.70 | 0 | 1 | 0 |
| 3.18143E+13 | 205600 | 0.267163 | 2556 | 8 | 4 | 2.5 | 2 | 1 | 1 | 13 | 108.7211663 | 132697 | 0 | 0.019 | 0.074 | 1 | 0 | $80.44 | 0 | 1 | 0 |
| 3.18143E+13 | 206300 | 0.244586 | 2446 | 8 | 4 | 2.5 | 2 | 1 | 1 | 13 | 108.7211663 | 132697 | 0 | 0.019 | 0.074 | 1 | 0 | $84.34 | 0 | 1 | 0 |
| 3.18143E+13 | 208300 | 0.407611 | 2654 | 8 | 3 | 2.5 | 2 | 1 | 1 | 12 | 108.7211663 | 132697 | 0 | 0.019 | 0.074 | 1 | 0 | $78.49 | 0 | 1 | 0 |
| 3.18143E+13 | 206600 | 0.272073 | 2472 | 8 | 4 | 2.5 | 2 | 1 | 1 | 12 | 108.7211663 | 132697 | 0 | 0.019 | 0.074 | 1 | 0 | $83.58 | 0 | 1 | 0 |
| 3.1814E+13 | 253000 | 0.348764 | 2158 | 6 | 3 | 2 | 1 | 1 | 1 | 5 | 108.7211663 | 130932 | 0 | 0.02 | 0.058 | 1 | 0 | $117.24 | 0 | 1 | 0 |
| 3.18143E+13 | 210100 | 0.043676 | 2558 | 9 | 3 | 2.5 | 2 | 1 | 1 | 13 | 108.7211663 | 132697 | 0 | 0.019 | 0.074 | 1 | 0 | $82.13 | 0 | 1 | 0 |
| 3.18143E+13 | 211000 | 0.258399 | 2533 | 8 | 4 | 2.5 | 2 | 1 | 1 | 13 | 108.7211663 | 132697 | 0 | 0.019 | 0.074 | 1 | 0 | $83.30 | 0 | 1 | 0 |
| 3.1814E+13 | 221700 | 0.629713 | 1717 | 7 | 3 | 2 | 1 | 1 | 1 | 19 | 108.7211663 | 132697 | 0 | 0.019 | 0.074 | 1 | 0 | $129.12 | 0 | 1 | 0 |
| 3.18143E+13 | 211600 | 0.353555 | 2390 | 8 | 4 | 2.5 | 2 | 1 | 1 | 13 | 108.7211663 | 132697 | 0 | 0.019 | 0.074 | 1 | 0 | $88.54 | 0 | 1 | 0 |
| 3.18143E+13 | 214300 | 0.224827 | 2892 | 8 | 4 | 2.5 | 2 | 1 | 1 | 12 | 108.7211663 | 132697 | 0 | 0.019 | 0.074 | 1 | 0 | $74.10 | 0 | 1 | 0 |
| 3.18143E+13 | 213300 | 0.223187 | 2634 | 8 | 4 | 2.5 | 2 | 1 | Yes | 12 | 108.7211663 | 132697 | 0 | 0.019 | 0.074 | 1 | 0 | $80.98 | 0 | 1 | 0 |
| 3.1814E+13 | 235700 | 0.553272 | 1791 | 5 | 2 | 2 | 1 | 1 | 1 | 12 | 108.7211663 | 132697 | 0 | 0.019 | 0.074 | 0 | 1 | $131.60 | 0 | 0 | 1 |
| 3.18143E+13 | 214400 | 0.174592 | 3042 | 9 | 4 | 2.5 | 2 | 1 | 1 | 13 | 108.7211663 | 132697 | 0 | 0.019 | 0.074 | 1 | 0 | $70.48 | 0 | 1 | 0 |
| 3.18143E+13 | 214800 | 0.288613 | 2683 | 8 | 4 | 2.5 | 2 | 1 | 1 | 12 | 108.7211663 | 132697 | 0 | 0.019 | 0.074 | 1 | 0 | $80.06 | 0 | 1 | 0 |
| 3.1814E+13 | 228800 | 0.53454 | 1694 | 6 | 3 | 2 | 1 | 1 | 1 | 17 | 108.7211663 | 132697 | 0 | 0.019 | 0.074 | 1 | 0 | $135.06 | 0 | 1 | 0 |
| 3.18143E+13 | 219300 | 0.254063 | 2482 | 8 | 4 | 3.5 | 2 | 1 | 1 | 13 | 108.7211663 | 132697 | 0 | 0.019 | 0.074 | 1 | 0 | $88.36 | 0 | 1 | 0 |
| 3.18143E+13 | 223900 | 0.134178 | 2598 | 8 | 4 | 2.5 | 2 | 1 | Yes | 12 | 108.7211663 | 132697 | 0 | 0.019 | 0.074 | 1 | 0 | $86.18 | 0 | 1 | 0 |
| 3.1814E+13 | 230400 | 0.510761 | 2100 | 8 | 4 | 2.5 | 2 | 1 | 1 | 20 | 108.7211663 | 132697 | 0 | 0.019 | 0.074 | 1 | 0 | $109.71 | 0 | 1 | 0 |
| 3.18143E+13 | 223400 | 0.26181 | 2524 | 8 | 4 | 2.5 | 2 | 1 | 1 | 13 | 108.7211663 | 132697 | 0 | 0.019 | 0.074 | 1 | 0 | $88.51 | 0 | 1 | 0 |
| 3.1814E+13 | 247200 | 5.195178 | 2174 | 5 | 2 | 2 | 1 | 1 | 1 | 13 | 108.7211663 | 132697 | 0 | 0.019 | 0.074 | 0 | 1 | $113.71 | 0 | 0 | 1 |
| 3.1814E+13 | 247200 | 0.181172 | 1688 | 6 | 3 | 3 | 1 | 1 | 1 | 4 | 108.7211663 | 132697 | 0 | 0.019 | 0.074 | 0 | 1 | $146.45 | 0 | 0 | 1 |
| 3.18143E+13 | 225500 | 0.323917 | 3286 | 8 | 4 | 3.5 | 2 | 1 | 1 | 12 | 108.7211663 | 132697 | 0 | 0.019 | 0.074 | 1 | 0 | $68.62 | 0 | 1 | 0 |
| 3.18143E+13 | 229600 | 0.5393 | 3286 | 8 | 4 | 2.5 | 2 | 1 | 1 | 12 | 108.7211663 | 132697 | 0 | 0.019 | 0.074 | 1 | 0 | $69.87 | 0 | 1 | 0 |
| 3.1814E+13 | 250000 | 0.174723 | 2404 | 7 | 4 | 2.5 | 2 | 1 | 1 | 3 | 108.7211663 | 132697 | 0 | 0.019 | 0.074 | 0 | 1 | $103.99 | 0 | 0 | 1 |
| 3.1814E+13 | 239200 | 0.501556 | 1770 | 5 | 3 | 2 | 1 | 1 | 1 | 20 | 108.7211663 | 132697 | 0 | 0.019 | 0.074 | 1 | 0 | $135.14 | 0 | 1 | 0 |
| 3.18143E+13 | 228900 | 0.325695 | 3172 | 9 | 4 | 2.5 | 2 | 1 | 1 | 13 | 108.7211663 | 132697 | 0 | 0.019 | 0.074 | 1 | 0 | $72.16 | 0 | 1 | 0 |
| 3.1814E+13 | 240000 | 0.964395 | 1894 | 7 | 3 | 2 | 1 | 1 | 1 | 22 | 108.7211663 | 132697 | 0 | 0.019 | 0.074 | 1 | 0 | $126.72 | 0 | 1 | 0 |
| 3.18143E+13 | 233400 | 0.224495 | 2482 | 8 | 4 | 2.5 | 2 | 1 | 1 | 12 | 108.7211663 | 132697 | 0 | 0.019 | 0.074 | 1 | 0 | $94.04 | 0 | 1 | 0 |
| 3.1814E+13 | 255000 | 0.281269 | 1592 | 6 | 2 | 2.5 | 1 | 1 | 1 | 3 | 108.7211663 | 132697 | 0 | 0.019 | 0.074 | 0 | 1 | $160.18 | 0 | 0 | 1 |
| 3.1814E+13 | 246900 | 1.136215 | 2030 | 6 | 3 | 3 | 1 | 1 | 1 | 20 | 108.7211663 | 132697 | 0 | 0.019 | 0.074 | 1 | 0 | $121.63 | 0 | 1 | 0 |
| 3.1814E+13 | 256800 | 4.506234 | 2174 | 5 | 2 | 2 | 1 | 1 | 1 | 12 | 108.7211663 | 132697 | 0 | 0.019 | 0.074 | 0 | 1 | $118.12 | 0 | 0 | 1 |
| 3.1814E+13 | 256800 | 0.165926 | 2176 | 7 | 3 | 2.5 | 2 | 1 | 1 | 5 | 108.7211663 | 132697 | 0 | 0.019 | 0.074 | 0 | 1 | $118.01 | 0 | 0 | 1 |
| 3.1814E+13 | 250500 | 0.543115 | 1853 | 5 | 3 | 2 | 1 | 1 | 1 | 17 | 108.7211663 | 132697 | 0 | 0.019 | 0.074 | 1 | 0 | $135.19 | 0 | 1 | 0 |
| 3.1814E+13 | 260000 | 0.220107 | 2012 | 6 | 3 | 2 | 1 | 1 | 1 | 3 | 108.7211663 | 132697 | 0 | 0.019 | 0.074 | 0 | 1 | $129.22 | 0 | 0 | 1 |
| 3.1814E+13 | 260000 | 0.179951 | 1606 | 6 | 3 | 2.5 | 1 | 1 | 1 | 3 | 108.7211663 | 132697 | 0 | 0.019 | 0.074 | 0 | 1 | $161.89 | 0 | 0 | 1 |
| 3.1814E+13 | 260000 | 0.144387 | 1812 | 6 | 3 | 3 | 1 | 1 | 1 | 3 | 108.7211663 | 132697 | 0 | 0.019 | 0.074 | 0 | 1 | $143.49 | 0 | 0 | 1 |
| 3.1814E+13 | 290900 | 0.563578 | 2724 | 7 | 3 | 2 | 1 | 1 | 1 | 7 | 108.7211663 | 130932 | 0 | 0.02 | 0.058 | 1 | 0 | $106.79 | 0 | 1 | 0 |
| 3.1814E+13 | 261600 | 0.268215 | 2231 | 7 | 3 | 2.5 | 1 | 1 | 1 | 4 | 108.7211663 | 132697 | 0 | 0.019 | 0.074 | 0 | 1 | $117.26 | 0 | 0 | 1 |
| 3.1814E+13 | 263100 | 1.17279 | 2286 | 8 | 4 | 2.5 | 2 | 1 | 1 | 20 | 108.7211663 | 132697 | 0 | 0.019 | 0.074 | 1 | 0 | $115.09 | 0 | 1 | 0 |
| 3.1814E+13 | 265000 | 0.196858 | 2500 | 8 | 4 | 3 | 2 | 1 | 1 | 3 | 108.7211663 | 132697 | 0 | 0.019 | 0.074 | 0 | 1 | $106.00 | 0 | 0 | 1 |
| 3.1814E+13 | 265000 | 0.22222 | 2290 | 5 | 2 | 2 | 1 | 1 | 1 | 12 | 108.7211663 | 132697 | 0 | 0.019 | 0.074 | 0 | 1 | $115.72 | 0 | 0 | 1 |
| 3.1814E+13 | 266400 | 0.157456 | 2278 | 6 | 3 | 2 | 1 | 1 | 1 | 12 | 108.7211663 | 132697 | 0 | 0.019 | 0.074 | 0 | 1 | $116.94 | 0 | 0 | 1 |
| 3.1814E+13 | 255200 | 0.595284 | 1997 | 7 | 3 | 2.5 | 2 | 1 | 1 | 19 | 108.7211663 | 132697 | 0 | 0.019 | 0.074 | 1 | 0 | $127.79 | 0 | 1 | 0 |
| 3.1814E+13 | 267500 | 0.146802 | 2174 | 5 | 2 | 2 | 1 | 1 | 1 | 12 | 108.7211663 | 132697 | 0 | 0.019 | 0.074 | 0 | 1 | $123.05 | 0 | 0 | 1 |
| 3.1814E+13 | 268000 | 0.13294 | 2326 | 6 | 3 | 3.5 | 2 | 1 | 1 | 4 | 108.7211663 | 132697 | 0 | 0.019 | 0.074 | 0 | 1 | $115.22 | 0 | 0 | 1 |
| 3.1814E+13 | 254900 | 0.666565 | 2320 | 8 | 4 | 2.5 | 2 | 1 | 1 | 21 | 108.7211663 | 132697 | 0 | 0.019 | 0.074 | 1 | 0 | $109.87 | 0 | 1 | 0 |
| 3.1814E+13 | 270000 | 0.143622 | 1845 | 6 | 3 | 2 | 1 | 1 | 1 | 2 | 108.7211663 | 132697 | 0 | 0.019 | 0.074 | 0 | 1 | $146.34 | 0 | 0 | 1 |
| 3.1814E+13 | 273000 | 0.174064 | 2202 | 8 | 4 | 2.5 | 2 | 1 | 1 | 1 | 108.7211663 | 132697 | 0 | 0.019 | 0.074 | 0 | 1 | $123.98 | 0 | 0 | 1 |
| 3.1814E+13 | 275000 | 0.219114 | 2116 | 7 | 3 | 3 | 1 | 1 | 1 | 4 | 108.7211663 | 132697 | 0 | 0.019 | 0.074 | 0 | 1 | $129.96 | 0 | 0 | 1 |
| 3.1814E+13 | 273400 | 0.500768 | 2024 | 6 | 3 | 2.5 | 1 | 1 | 1 | 15 | 108.7211663 | 132697 | 0 | 0.019 | 0.074 | 1 | 0 | $135.08 | 0 | 1 | 0 |
| 3.1814E+13 | 278900 | 0.178211 | 1933 | 5 | 2 | 3 | 1 | 1 | 1 | 6 | 108.7211663 | 132697 | 0 | 0.019 | 0.074 | 0 | 1 | $144.28 | 0 | 0 | 1 |
| 3.1814E+13 | 279800 | 4.506234 | 1856 | 4 | 2 | 2 | 1 | 1 | 1 | 12 | 108.7211663 | 132697 | 0 | 0.019 | 0.074 | 0 | 1 | $150.75 | 0 | 0 | 1 |
| 3.1814E+13 | 280000 | 0.23228 | 1532 | 6 | 3 | 3 | 1 | 1 | 1 | 3 | 108.7211663 | 132697 | 0 | 0.019 | 0.074 | 0 | 1 | $182.77 | 0 | 0 | 1 |
| 3.1814E+13 | 280800 | 0.336789 | 2260 | 7 | 3 | 2.5 | 1 | 1 | 1 | 5 | 108.7211663 | 132697 | 0 | 0.019 | 0.074 | 0 | 1 | $124.25 | 0 | 0 | 1 |
| 3.1814E+13 | 280800 | 0.336789 | 2260 | 7 | 3 | 2.5 | 1 | 1 | 1 | 5 | 108.7211663 | 132697 | 0 | 0.019 | 0.074 | 0 | 1 | $124.25 | 0 | 0 | 1 |

# STATISTICAL SPREADSHEET MODEL

| PARCEL_ID | Total_Value | Lot_Size_Acres | Home_SF | Total_Rooms | Total_Bedrooms | Total_Baths | House_Stories | Basement | Garage | Age_of_Home | School_District_Rating | Neighborhood_Median_Income | Neighborhood_Percent_Vacant | Neighborhood_Unemployment_Rate | Neighborhood_Percent_Minority | Constructed_Noise_wall | Noise_Berm | Total Value/ Sq Ft | Control | Wall | Berm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3.1814E+13 | 280800 | 0.20941 | 2036 | 6 | 3 | 2.5 | 1 | 1 | 1 | 4 | 108.7211663 | 132697 | 0 | 0.019 | 0.074 | 0 | 1 | $137.92 | 0 | 0 | 1 |
| 3.1814E+13 | 280800 | 0.167323 | 2232 | 7 | 3 | 3 | 1 | 1 | 1 | 4 | 108.7211663 | 132697 | 0 | 0.019 | 0.074 | 0 | 1 | $125.81 | 0 | 0 | 1 |
| 3.1814E+13 | 280800 | 0.483715 | 2170 | 6 | 2 | 2 | 1 | 1 | 1 | 10 | 108.7211663 | 132697 | 0 | 0.019 | 0.074 | 0 | 1 | $129.40 | 0 | 0 | 1 |
| 3.1814E+13 | 282700 | 0.171362 | 1855 | 7 | 3 | 3 | 1 | 1 | 1 | 7 | 108.7211663 | 132697 | 0 | 0.019 | 0.074 | 0 | 1 | $152.40 | 0 | 0 | 1 |
| 3.1814E+13 | 283500 | 0.227459 | 2152 | 6 | 3 | 2 | 1 | 1 | 1 | 2 | 108.7211663 | 132697 | 0 | 0.019 | 0.074 | 0 | 1 | $131.74 | 0 | 0 | 1 |
| 3.1814E+13 | 285000 | 0.164093 | 2980 | 8 | 4 | 3.5 | 2 | 1 | 1 | 3 | 108.7211663 | 132697 | 0 | 0.019 | 0.074 | 0 | 1 | $95.64 | 0 | 0 | 1 |
| 3.1814E+13 | 285000 | 0.143784 | 2980 | 8 | 4 | 3.5 | 2 | 1 | 1 | 3 | 108.7211663 | 132697 | 0 | 0.019 | 0.074 | 0 | 1 | $95.64 | 0 | 0 | 1 |
| 3.1814E+13 | 306100 | 0.583892 | 2924 | 8 | 5 | 3 | 2 | 1 | 1 | 8 | 108.7211663 | 130932 | 0 | 0.02 | 0.058 | 1 | 0 | $104.69 | 0 | 1 | 0 |
| 3.1814E+13 | 285600 | 0.149965 | 1988 | 5 | 2 | 2 | 1 | 1 | 1 | 13 | 108.7211663 | 132697 | 0 | 0.019 | 0.074 | 0 | 1 | $143.66 | 0 | 0 | 1 |
| 3.1814E+13 | 284400 | 0.679043 | 2590 | 8 | 4 | 2.5 | 2 | 1 | 1 | 20 | 108.7211663 | 132697 | 0 | 0.019 | 0.074 | 1 | 0 | $109.81 | 0 | 1 | 0 |
| 3.1814E+13 | 277600 | 0.477867 | 2405 | 8 | 4 | 3 | 2 | 1 | 1 | 22 | 108.7211663 | 132697 | 0 | 0.019 | 0.074 | 1 | 0 | $115.43 | 0 | 1 | 0 |
| 3.1814E+13 | 290000 | 3.395599 | 2040 | 7 | 3 | 3 | 1 | 1 | 1 | 4 | 108.7211663 | 132697 | 0 | 0.019 | 0.074 | 0 | 1 | $142.16 | 0 | 0 | 1 |
| 3.1814E+13 | 290000 | 0.186491 | 2384 | 8 | 4 | 3 | 2 | 1 | 1 | 2 | 108.7211663 | 132697 | 0 | 0.019 | 0.074 | 0 | 1 | $121.64 | 0 | 0 | 1 |
| 3.1814E+13 | 290400 | 4.506234 | 1904 | 4 | 2 | 2 | 1 | 1 | 1 | 12 | 108.7211663 | 132697 | 0 | 0.019 | 0.074 | 0 | 1 | $152.52 | 0 | 0 | 1 |
| 3.1814E+13 | 290400 | 0.168372 | 2286 | 6 | 3 | 3.5 | 2 | 1 | 1 | 4 | 108.7211663 | 132697 | 0 | 0.019 | 0.074 | 0 | 1 | $127.03 | 0 | 0 | 1 |
| 3.1814E+13 | 290400 | 0.179363 | 2270 | 6 | 3 | 3 | 2 | 1 | 1 | 4 | 108.7211663 | 132697 | 0 | 0.019 | 0.074 | 0 | 1 | $127.93 | 0 | 0 | 1 |
| 3.1814E+13 | 290400 | 0.518243 | 2270 | 6 | 3 | 3 | 2 | 1 | 1 | 4 | 108.7211663 | 132697 | 0 | 0.019 | 0.074 | 0 | 1 | $127.93 | 0 | 0 | 1 |
| 3.1814E+13 | 290400 | 0.164696 | 1904 | 4 | 2 | 2 | 1 | 1 | 1 | 12 | 108.7211663 | 132697 | 0 | 0.019 | 0.074 | 0 | 1 | $152.52 | 0 | 0 | 1 |
| 3.1814E+13 | 289200 | 1.118517 | 2252 | 7 | 3 | 2 | 1 | 1 | 1 | 19 | 108.7211663 | 132697 | 0 | 0.019 | 0.074 | 1 | 0 | $128.42 | 0 | 1 | 0 |
| 3.1814E+13 | 292300 | 0.472609 | 1931 | 6 | 3 | 3 | 1 | 1 | 1 | 4 | 108.7211663 | 132697 | 0 | 0.019 | 0.074 | 0 | 1 | $151.37 | 0 | 0 | 1 |
| 3.18413E+13 | 300600 | 0.540235 | 2845 | 8 | 4 | 2.5 | 2 | 1 | 1 | 22 | 108.7211663 | 132697 | 0 | 0.019 | 0.074 | 1 | 0 | $105.66 | 0 | 1 | 0 |
| 3.1814E+13 | 293200 | 0.174119 | 2260 | 7 | 3 | 2.5 | 1 | 1 | 1 | 5 | 108.7211663 | 132697 | 0 | 0.019 | 0.074 | 0 | 1 | $129.73 | 0 | 0 | 1 |
| 3.1814E+13 | 290000 | 0.8864 | 1919 | 7 | 3 | 3 | 1 | 1 | 1 | 18 | 108.7211663 | 132697 | 0 | 0.019 | 0.074 | 1 | 0 | $151.12 | 0 | 1 | 0 |
| 3.1814E+13 | 283400 | 0.275448 | 2093 | 6 | 3 | 2.5 | 1 | 1 | 1 | 15 | 108.7211663 | 132697 | 0 | 0.019 | 0.074 | 1 | 0 | $135.40 | 0 | 1 | 0 |
| 3.1814E+13 | 295000 | 0.190551 | 2960 | 8 | 4 | 2.5 | 2 | 1 | 1 | 2 | 108.7211663 | 132697 | 0 | 0.019 | 0.074 | 0 | 1 | $99.66 | 0 | 0 | 1 |
| 3.1814E+13 | 300000 | 0.182123 | 2043 | 5 | 2 | 2 | 1 | 1 | 1 | 10 | 108.7211663 | 132697 | 0 | 0.019 | 0.074 | 0 | 1 | $146.84 | 0 | 0 | 1 |
| 3.1814E+13 | 300000 | 0.619358 | 2273 | 8 | 4 | 3.5 | 2 | 1 | 1 | 3 | 108.7211663 | 132697 | 0 | 0.019 | 0.074 | 0 | 1 | $131.98 | 0 | 0 | 1 |
| 3.1814E+13 | 300000 | 0.277791 | 2272 | 5 | 2 | 2 | 1 | 0 | 1 | 12 | 108.7211663 | 132697 | 0 | 0.019 | 0.074 | 0 | 1 | $132.04 | 0 | 0 | 1 |
| 3.1814E+13 | 300000 | 0.552862 | 1885 | 6 | 3 | 2 | 1 | 1 | 1 | 12 | 108.7211663 | 132697 | 0 | 0.019 | 0.074 | 0 | 1 | $159.15 | 0 | 0 | 1 |
| 3.1814E+13 | 300000 | 0.226739 | 2191 | 6 | 2 | 2 | 1 | 1 | 1 | 11 | 108.7211663 | 132697 | 0 | 0.019 | 0.074 | 0 | 1 | $136.92 | 0 | 0 | 1 |
| 3.1814E+13 | 302000 | 0.180791 | 2038 | 6 | 2 | 2 | 1 | 1 | 1 | 2 | 108.7211663 | 132697 | 0 | 0.019 | 0.074 | 0 | 1 | $148.18 | 0 | 0 | 1 |
| 3.1814E+13 | 301400 | 0.503211 | 2228 | 6 | 2 | 2 | 1 | 1 | 1 | 15 | 108.7211663 | 132697 | 0 | 0.019 | 0.074 | 1 | 0 | $135.28 | 0 | 1 | 0 |
| 3.1814E+13 | 301800 | 0.606334 | 2846 | 7 | 3 | 2.5 | 2 | 1 | 1 | 21 | 108.7211663 | 132697 | 0 | 0.019 | 0.074 | 1 | 0 | $106.04 | 0 | 1 | 0 |
| 3.1814E+13 | 303800 | 0.172651 | 2333 | 6 | 2 | 2 | 1 | 1 | 1 | 11 | 108.7211663 | 132697 | 0 | 0.019 | 0.074 | 0 | 1 | $130.22 | 0 | 0 | 1 |
| 3.1814E+13 | 304000 | 0.518243 | 2260 | 7 | 3 | 2.5 | 1 | 1 | 1 | 4 | 108.7211663 | 132697 | 0 | 0.019 | 0.074 | 0 | 1 | $134.51 | 0 | 0 | 1 |
| 3.1814E+13 | 325800 | 0.348867 | 3082 | 10 | 4 | 2.5 | 2 | 1 | 1 | 11 | 108.7211663 | 130932 | 0 | 0.02 | 0.058 | 1 | 0 | $105.71 | 0 | 1 | 0 |
| 3.18413E+13 | 315900 | 0.666161 | 1985 | 6 | 3 | 2 | 1 | 1 | 1 | 14 | 108.7211663 | 132697 | 0 | 0.019 | 0.074 | 1 | 0 | $159.14 | 0 | 1 | 0 |
| 3.18413E+13 | 313000 | 0.475204 | 2530 | 8 | 4 | 2.5 | 2 | 1 | 1 | 23 | 108.7211663 | 132697 | 0 | 0.019 | 0.074 | 1 | 0 | $123.72 | 0 | 1 | 0 |
| 3.1814E+13 | 304800 | 0.153354 | 2134 | 5 | 2 | 2 | 1 | 1 | 1 | 9 | 108.7211663 | 132697 | 0 | 0.019 | 0.074 | 0 | 1 | $142.83 | 0 | 0 | 1 |
| 3.1814E+13 | 304800 | 0.252668 | 1790 | 7 | 3 | 2.5 | 1 | 1 | 1 | 7 | 108.7211663 | 132697 | 0 | 0.019 | 0.074 | 0 | 1 | $170.28 | 0 | 0 | 1 |
| 3.1814E+13 | 305000 | 0.169426 | 2414 | 8 | 4 | 2.5 | 2 | 1 | 1 | 2 | 108.7211663 | 132697 | 0 | 0.019 | 0.074 | 0 | 1 | $126.35 | 0 | 0 | 1 |
| 3.1814E+13 | 305000 | 0.156884 | 2192 | 6 | 3 | 2 | 1 | 1 | 1 | 2 | 108.7211663 | 132697 | 0 | 0.019 | 0.074 | 0 | 1 | $139.14 | 0 | 0 | 1 |
| 3.1814E+13 | 305000 | 0.251216 | 2160 | 6 | 3 | 2.5 | 1 | 1 | 1 | 3 | 108.7211663 | 132697 | 0 | 0.019 | 0.074 | 0 | 1 | $141.20 | 0 | 0 | 1 |
| 3.1814E+13 | 305000 | 0.167032 | 2068 | 6 | 3 | 2 | 1 | 1 | 1 | 2 | 108.7211663 | 132697 | 0 | 0.019 | 0.074 | 0 | 1 | $147.49 | 0 | 0 | 1 |
| 3.1814E+13 | 305800 | 0.190488 | 1855 | 7 | 3 | 2.5 | 1 | 1 | 1 | 7 | 108.7211663 | 132697 | 0 | 0.019 | 0.074 | 0 | 1 | $164.85 | 0 | 0 | 1 |
| 3.18413E+13 | 314200 | 0.527522 | 2539 | 8 | 4 | 2.5 | 2 | 1 | 1 | 23 | 108.7211663 | 132697 | 0 | 0.019 | 0.074 | 1 | 0 | $123.75 | 0 | 1 | 0 |
| 3.1814E+13 | 330100 | 0.410665 | 2739 | 8 | 4 | 3.5 | 2 | 1 | 1 | 12 | 108.7211663 | 130932 | 0 | 0.02 | 0.058 | 1 | 0 | $120.52 | 0 | 1 | 0 |
| 3.1814E+13 | 309000 | 0.230274 | 1836 | 6 | 3 | 3 | 1 | 1 | 1 | 3 | 108.7211663 | 132697 | 0 | 0.019 | 0.074 | 0 | 1 | $168.30 | 0 | 0 | 1 |
| 3.1814E+13 | 331100 | 0.400235 | 2906 | 8 | 4 | 3.5 | 2 | 1 | 1 | 6 | 108.7211663 | 130932 | 0 | 0.02 | 0.058 | 1 | 0 | $113.94 | 0 | 1 | 0 |
| 3.1814E+13 | 309600 | 0.218808 | 2259 | 5 | 2 | 2 | 1 | 1 | 1 | 11 | 108.7211663 | 132697 | 0 | 0.019 | 0.074 | 0 | 1 | $137.05 | 0 | 0 | 1 |
| 3.1814E+13 | 309600 | 0.507479 | 2214 | 5 | 2 | 2 | 1 | 1 | 1 | 13 | 108.7211663 | 132697 | 0 | 0.019 | 0.074 | 0 | 1 | $139.84 | 0 | 0 | 1 |
| 3.1814E+13 | 309600 | 0.671323 | 2324 | 5 | 2 | 2 | 1 | 1 | 1 | 12 | 108.7211663 | 132697 | 0 | 0.019 | 0.074 | 0 | 1 | $133.22 | 0 | 0 | 1 |
| 3.1814E+13 | 309600 | 0.483715 | 2332 | 6 | 3 | 3 | 1 | 1 | 1 | 10 | 108.7211663 | 132697 | 0 | 0.019 | 0.074 | 0 | 1 | $132.76 | 0 | 0 | 1 |
| 3.1814E+13 | 309600 | 0.246017 | 2416 | 5 | 2 | 2 | 1 | 0 | 1 | 14 | 108.7211663 | 132697 | 0 | 0.019 | 0.074 | 0 | 1 | $128.15 | 0 | 0 | 1 |
| 3.1814E+13 | 309600 | 0.150697 | 2324 | 5 | 2 | 2 | 1 | 1 | 1 | 11 | 108.7211663 | 132697 | 0 | 0.019 | 0.074 | 0 | 1 | $133.22 | 0 | 0 | 1 |
| 3.1814E+13 | 300800 | 0.740483 | 1978 | 6 | 3 | 3 | 1 | 1 | 1 | 18 | 108.7211663 | 132697 | 0 | 0.019 | 0.074 | 1 | 0 | $152.07 | 0 | 1 | 0 |
| 3.1814E+13 | 310000 | 0.158549 | 1996 | 7 | 4 | 3 | 1 | 1 | 1 | 2 | 108.7211663 | 132697 | 0 | 0.019 | 0.074 | 0 | 1 | $155.31 | 0 | 0 | 1 |
| 3.1814E+13 | 310000 | 0.191275 | 2208 | 7 | 3 | 3 | 1 | 1 | 1 | 3 | 108.7211663 | 132697 | 0 | 0.019 | 0.074 | 0 | 1 | $140.40 | 0 | 0 | 1 |
| 3.1814E+13 | 310000 | 0.168057 | 2116 | 6 | 3 | 3 | 1 | 1 | 1 | 3 | 108.7211663 | 132697 | 0 | 0.019 | 0.074 | 0 | 1 | $146.50 | 0 | 0 | 1 |
| 3.1814E+13 | 310000 | 0.151826 | 1600 | 6 | 2 | 2.5 | 1 | 1 | 1 | 2 | 108.7211663 | 132697 | 0 | 0.019 | 0.074 | 0 | 1 | $193.75 | 0 | 0 | 1 |
| 3.1814E+13 | 331800 | 0.409544 | 2170 | 10 | 4 | 3.5 | 1 | 1 | 1 | 13 | 108.7211663 | 130932 | 0 | 0.02 | 0.058 | 1 | 0 | $152.90 | 0 | 1 | 0 |
| 3.1814E+13 | 311800 | 0.211734 | 2286 | 6 | 3 | 3.5 | 2 | 1 | 1 | 4 | 108.7211663 | 132697 | 0 | 0.019 | 0.074 | 0 | 1 | $136.40 | 0 | 0 | 1 |
| 3.1814E+13 | 312500 | 0.427708 | 2127 | 6 | 3 | 3 | 1 | 1 | 1 | 12 | 108.7211663 | 132697 | 0 | 0.019 | 0.074 | 0 | 1 | $146.92 | 0 | 0 | 1 |
| 3.1814E+13 | 308500 | 0.616608 | 2552 | 8 | 4 | 3.5 | 2 | 1 | 1 | 20 | 108.7211663 | 132697 | 0 | 0.019 | 0.074 | 1 | 0 | $120.89 | 0 | 1 | 0 |
| 3.1814E+13 | 301900 | 0.497578 | 3072 | 9 | 4 | 2.5 | 2 | 1 | 1 | 13 | 108.7211663 | 132697 | 0 | 0.019 | 0.074 | 1 | 0 | $98.27 | 0 | 1 | 0 |
| 3.1814E+13 | 335200 | 0.366377 | 3034 | 9 | 3 | 2.5 | 2 | 1 | 1 | 10 | 108.7211663 | 130932 | 0 | 0.02 | 0.058 | 1 | 0 | $110.48 | 0 | 1 | 0 |
| 3.1814E+13 | 304700 | 0.719902 | 2650 | 9 | 4 | 3 | 2 | 1 | 1 | 21 | 108.7211663 | 132697 | 0 | 0.019 | 0.074 | 1 | 0 | $114.98 | 0 | 1 | 0 |
| 3.1814E+13 | 314400 | 0.355754 | 2178 | 6 | 2 | 2.5 | 1 | 1 | 1 | 10 | 108.7211663 | 132697 | 0 | 0.019 | 0.074 | 0 | 1 | $144.35 | 0 | 0 | 1 |
| 3.1814E+13 | 314400 | 0.352082 | 2299 | 5 | 2 | 2 | 1 | 1 | 1 | 9 | 108.7211663 | 132697 | 0 | 0.019 | 0.074 | 0 | 1 | $136.76 | 0 | 0 | 1 |
| 3.1814E+13 | 314400 | 0.133598 | 2174 | 5 | 2 | 2 | 1 | 1 | 1 | 12 | 108.7211663 | 132697 | 0 | 0.019 | 0.074 | 0 | 1 | $144.62 | 0 | 0 | 1 |
| 3.1814E+13 | 314400 | 0.352082 | 2162 | 5 | 2 | 2 | 1 | 1 | 1 | 9 | 108.7211663 | 132697 | 0 | 0.019 | 0.074 | 0 | 1 | $145.42 | 0 | 0 | 1 |
| 3.1814E+13 | 315000 | 0.164616 | 2445 | 8 | 4 | 3.5 | 2 | 1 | 1 | 3 | 108.7211663 | 132697 | 0 | 0.019 | 0.074 | 0 | 1 | $128.83 | 0 | 0 | 1 |
| 3.1814E+13 | 315000 | 0.230451 | 2236 | 7 | 3 | 3 | 1 | 1 | 1 | 4 | 108.7211663 | 132697 | 0 | 0.019 | 0.074 | 0 | 1 | $140.88 | 0 | 0 | 1 |
| 3.1814E+13 | 315000 | 0.322707 | 1945 | 6 | 2 | 3 | 1 | 1 | 1 | 3 | 108.7211663 | 132697 | 0 | 0.019 | 0.074 | 0 | 1 | $161.95 | 0 | 0 | 1 |
| 3.1814E+13 | 315000 | 0.148682 | 2008 | 7 | 4 | 3 | 1 | 1 | 1 | 2 | 108.7211663 | 132697 | 0 | 0.019 | 0.074 | 0 | 1 | $156.87 | 0 | 0 | 1 |
| 3.18413E+13 | 330400 | 0.509518 | 2904 | 9 | 4 | 2.5 | 2 | 1 | 1 | 20 | 108.7211663 | 132697 | 0 | 0.019 | 0.074 | 1 | 0 | $113.77 | 0 | 1 | 0 |

# STATISTICAL SPREADSHEET MODEL

| PARCEL_ID | Total_Value | Lot_Size_Acres | Home_SF | Total_Rooms | Total_Bedrooms | Total_Baths | House_Stories | Basement | Garage | Age_of_Home | School_District_Rating | Neighborhood_Median_Income | Neighborhood_Percent_Vacant | Neighborhood_Unemployment_Rate | Neighborhood_Percent_Minority | Constructed_Noise_wall | Noise_Berm | Total Value/ Sq Ft | Control | Wall | Berm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3.18413E+13 | 324100 | 0.553265 | 2690 | 8 | 4 | 2.5 | 2 | 1 | 1 | 21 | 108.7211663 | 132697 | 0 | 0.019 | 0.074 | 1 | 0 | $120.48 | 0 | 1 | 0 |
| 3.1814E+13 | 319200 | 5.195178 | 1988 | 5 | 2 | 3.5 | 1 | 1 | 1 | 13 | 108.7211663 | 132697 | 0 | 0.019 | 0.074 | 0 | 1 | $160.56 | 0 | 0 | 1 |
| 3.1814E+13 | 319200 | 0.141729 | 2174 | 5 | 2 | 2 | 1 | 1 | 1 | 13 | 108.7211663 | 132697 | 0 | 0.019 | 0.074 | 0 | 1 | $146.83 | 0 | 0 | 1 |
| 3.1814E+13 | 319200 | 0.553272 | 2193 | 5 | 2 | 2 | 1 | 1 | 1 | 12 | 108.7211663 | 132697 | 0 | 0.019 | 0.074 | 0 | 1 | $145.55 | 0 | 0 | 1 |
| 3.1814E+13 | 319200 | 0.427708 | 2361 | 5 | 2 | 2 | 1 | 1 | 1 | 12 | 108.7211663 | 132697 | 0 | 0.019 | 0.074 | 0 | 1 | $135.20 | 0 | 0 | 1 |
| 3.1814E+13 | 344900 | 0.347597 | 2654 | 9 | 4 | 2.5 | 2 | 1 | 1 | 6 | 108.7211663 | 130932 | 0 | 0.02 | 0.058 | 1 | 0 | $129.95 | 0 | 1 | 0 |
| 3.1814E+13 | 345000 | 0.350078 | 2378 | 7 | 3 | 2 | 1 | 1 | 1 | 3 | 108.7211663 | 130932 | 0 | 0.02 | 0.058 | 1 | 0 | $145.08 | 0 | 1 | 0 |
| 3.18413E+13 | 335300 | 0.742254 | 2710 | 8 | 3 | 2.5 | 2 | 1 | 1 | 23 | 108.7211663 | 132697 | 0 | 0.019 | 0.074 | 1 | 0 | $123.73 | 0 | 1 | 0 |
| 3.1814E+13 | 324000 | 0.25594 | 2327 | 5 | 3 | 2.5 | 1 | 1 | 1 | 10 | 108.7211663 | 132697 | 0 | 0.019 | 0.074 | 0 | 1 | $139.24 | 0 | 0 | 1 |
| 3.1814E+13 | 324000 | 0.264468 | 2038 | 6 | 3 | 3 | 1 | 1 | 1 | 10 | 108.7211663 | 132697 | 0 | 0.019 | 0.074 | 0 | 1 | $158.98 | 0 | 0 | 1 |
| 3.1814E+13 | 325000 | 0.239556 | 2249 | 6 | 2 | 3 | 1 | 1 | 1 | 4 | 108.7211663 | 132697 | 0 | 0.019 | 0.074 | 0 | 1 | $144.51 | 0 | 0 | 1 |
| 3.1814E+13 | 330000 | 0.202595 | 2008 | 6 | 3 | 3 | 1 | 1 | 1 | 2 | 108.7211663 | 132697 | 0 | 0.019 | 0.074 | 0 | 1 | $164.34 | 0 | 0 | 1 |
| 3.1814E+13 | 330100 | 0.355754 | 2925 | 7 | 3 | 2.5 | 2 | 1 | 1 | 10 | 108.7211663 | 132697 | 0 | 0.019 | 0.074 | 0 | 1 | $112.85 | 0 | 0 | 1 |
| 3.1814E+13 | 321200 | 0.959308 | 2953 | 8 | 4 | 2.5 | 2 | 1 | 1 | 11 | 108.7211663 | 132697 | 0 | 0.019 | 0.074 | 1 | 0 | $108.77 | 0 | 1 | 0 |
| 3.18413E+13 | 338600 | 0.250364 | 2735 | 7 | 3 | 2.5 | 2 | 1 | 1 | 22 | 108.7211663 | 132697 | 0 | 0.019 | 0.074 | 1 | 0 | $123.80 | 0 | 1 | 0 |
| 3.18413E+13 | 339900 | 0.871152 | 2746 | 8 | 4 | 3.5 | 2 | 1 | 1 | 23 | 108.7211663 | 132697 | 0 | 0.019 | 0.074 | 1 | 0 | $123.78 | 0 | 1 | 0 |
| 3.1814E+13 | 320600 | 0.482103 | 3251 | 9 | 4 | 2.5 | 2 | 1 | 1 | 15 | 108.7211663 | 132697 | 0 | 0.019 | 0.074 | 1 | 0 | $98.62 | 0 | 1 | 0 |
| 3.1814E+13 | 358100 | 0.387825 | 3196 | 8 | 4 | 2.5 | 2 | 1 | 1 | 11 | 108.7211663 | 130932 | 0 | 0.02 | 0.058 | 1 | 0 | $112.05 | 0 | 1 | 0 |
| 3.1814E+13 | 354900 | 0.346463 | 3273 | 10 | 4 | 2.5 | 2 | 1 | 1 | 12 | 108.7211663 | 130932 | 0 | 0.02 | 0.058 | 1 | 0 | $108.43 | 0 | 1 | 0 |
| 3.1814E+13 | 355000 | 0.499319 | 2614 | 8 | 4 | 3.5 | 2 | 1 | 1 | 6 | 108.7211663 | 130932 | 0 | 0.02 | 0.058 | 1 | 0 | $135.81 | 0 | 1 | 0 |
| 3.1814E+13 | 333600 | 0.182583 | 2287 | 5 | 2 | 3 | 1 | 1 | 1 | 8 | 108.7211663 | 132697 | 0 | 0.019 | 0.074 | 0 | 1 | $145.87 | 0 | 0 | 1 |
| 3.1814E+13 | 319900 | 0.51186 | 2904 | 9 | 4 | 3 | 2 | 1 | 1 | 21 | 108.7211663 | 132697 | 0 | 0.019 | 0.074 | 1 | 0 | $110.16 | 0 | 1 | 0 |
| 3.1814E+13 | 356000 | 0.386723 | 3421 | 10 | 5 | 4.5 | 2 | 1 | 1 | 10 | 108.7211663 | 130932 | 0 | 0.02 | 0.058 | 1 | 0 | $104.06 | 0 | 1 | 0 |
| 3.1814E+13 | 334600 | 0.182324 | 2273 | 7 | 2 | 2 | 1 | 1 | 1 | 5 | 108.7211663 | 132697 | 0 | 0.019 | 0.074 | 0 | 1 | $147.21 | 0 | 0 | 1 |
| 3.18413E+13 | 342900 | 0.60622 | 2769 | 8 | 4 | 2.5 | 2 | 1 | 1 | 23 | 108.7211663 | 132697 | 0 | 0.019 | 0.074 | 1 | 0 | $123.84 | 0 | 1 | 0 |
| 3.1814E+13 | 335000 | 0.181293 | 2236 | 6 | 3 | 2.5 | 1 | 1 | 1 | 3 | 108.7211663 | 132697 | 0 | 0.019 | 0.074 | 0 | 1 | $149.82 | 0 | 0 | 1 |
| 3.1814E+13 | 335600 | 0.20095 | 2055 | 5 | 2 | 2 | 1 | 1 | 1 | 4 | 108.7211663 | 132697 | 0 | 0.019 | 0.074 | 0 | 1 | $163.31 | 0 | 0 | 1 |
| 3.1814E+13 | 325700 | 0.774709 | 3493 | 9 | 4 | 2.5 | 2 | 1 | 1 | 20 | 108.7211663 | 132697 | 0 | 0.019 | 0.074 | 1 | 0 | $93.24 | 0 | 1 | 0 |
| 3.18413E+13 | 345500 | 0.367094 | 2790 | 8 | 4 | 2.5 | 2 | 1 | 1 | 24 | 108.7211663 | 132697 | 0 | 0.019 | 0.074 | 1 | 0 | $123.84 | 0 | 1 | 0 |
| 3.18413E+13 | 345700 | 0.546967 | 2984 | 8 | 4 | 3.5 | 2 | 1 | 1 | 17 | 108.7211663 | 132697 | 0 | 0.019 | 0.074 | 1 | 0 | $115.85 | 0 | 1 | 0 |
| 3.1814E+13 | 355000 | 0.384466 | 3084 | 8 | 4 | 2.5 | 2 | 1 | 1 | 10 | 108.7211663 | 130932 | 0 | 0.02 | 0.058 | 1 | 0 | $115.11 | 0 | 1 | 0 |
| 3.18413E+13 | 343000 | 0.491658 | 2847 | 8 | 4 | 2.5 | 2 | 1 | 1 | 22 | 108.7211663 | 132697 | 0 | 0.019 | 0.074 | 1 | 0 | $120.48 | 0 | 1 | 0 |
| 3.1814E+13 | 352000 | 0.384676 | 4276 | 9 | 4 | 4 | 2 | 1 | 1 | 9 | 108.7211663 | 130932 | 0 | 0.02 | 0.058 | 1 | 0 | $82.32 | 0 | 1 | 0 |
| 3.18413E+13 | 350600 | 1.123543 | 3033 | 8 | 4 | 2.5 | 2 | 1 | 1 | 17 | 108.7211663 | 132697 | 0 | 0.019 | 0.074 | 1 | 0 | $115.60 | 0 | 1 | 0 |
| 3.18413E+13 | 347600 | 0.582981 | 3109 | 9 | 4 | 2.5 | 2 | 1 | 1 | 22 | 108.7211663 | 132697 | 0 | 0.019 | 0.074 | 1 | 0 | $111.80 | 0 | 1 | 0 |
| 3.1814E+13 | 340000 | 0.185228 | 2180 | 6 | 3 | 2.5 | 1 | 1 | 1 | 2 | 108.7211663 | 132697 | 0 | 0.019 | 0.074 | 0 | 1 | $155.96 | 0 | 0 | 1 |
| 3.1814E+13 | 343200 | 0.196033 | 2293 | 7 | 4 | 3 | 1 | 1 | 1 | 9 | 108.7211663 | 132697 | 0 | 0.019 | 0.074 | 0 | 1 | $149.67 | 0 | 0 | 1 |
| 3.1814E+13 | 343200 | 0.321624 | 2276 | 7 | 3 | 3 | 1 | 1 | 1 | 9 | 108.7211663 | 132697 | 0 | 0.019 | 0.074 | 0 | 1 | $150.79 | 0 | 0 | 1 |
| 3.1814E+13 | 364800 | 0.396848 | 3228 | 9 | 4 | 3.5 | 2 | 1 | 1 | 13 | 108.7211663 | 130932 | 0 | 0.02 | 0.058 | 1 | 0 | $113.01 | 0 | 1 | 0 |
| 3.1814E+13 | 361100 | 0.442479 | 2728 | 7 | 3 | 3.5 | 1 | 1 | 1 | 11 | 108.7211663 | 130932 | 0 | 0.02 | 0.058 | 1 | 0 | $132.37 | 0 | 1 | 0 |
| 3.18413E+13 | 349100 | 0.594052 | 2830 | 8 | 4 | 2.5 | 2 | 1 | 1 | 18 | 108.7211663 | 132697 | 0 | 0.019 | 0.074 | 1 | 0 | $123.36 | 0 | 1 | 0 |
| 3.18413E+13 | 355600 | 0.911578 | 2856 | 8 | 4 | 2.5 | 2 | 1 | 1 | 23 | 108.7211663 | 132697 | 0 | 0.019 | 0.074 | 1 | 0 | $124.51 | 0 | 1 | 0 |
| 3.1814E+13 | 378600 | 0.607579 | 3120 | 10 | 4 | 3.5 | 2 | 1 | 1 | 13 | 108.7211663 | 130932 | 0 | 0.02 | 0.058 | 1 | 0 | $121.35 | 0 | 1 | 0 |
| 3.1814E+13 | 371800 | 0.382034 | 2087 | 7 | 3 | 3 | 1 | 1 | 1 | 11 | 108.7211663 | 130932 | 0 | 0.02 | 0.058 | 1 | 0 | $178.15 | 0 | 1 | 0 |
| 3.1814E+13 | 348000 | 5.195178 | 3294 | 8 | 4 | 3 | 2 | 1 | 1 | 13 | 108.7211663 | 132697 | 0 | 0.019 | 0.074 | 0 | 1 | $105.65 | 0 | 0 | 1 |
| 3.1814E+13 | 348000 | 4.506234 | 3186 | 9 | 3 | 3 | 2 | 1 | 1 | 12 | 108.7211663 | 132697 | 0 | 0.019 | 0.074 | 0 | 1 | $109.23 | 0 | 0 | 1 |
| 3.1814E+13 | 348000 | 0.283508 | 3104 | 8 | 3 | 3 | 2 | 1 | 1 | 12 | 108.7211663 | 132697 | 0 | 0.019 | 0.074 | 0 | 1 | $112.11 | 0 | 0 | 1 |
| 3.1814E+13 | 348000 | 0.483715 | 3007 | 8 | 4 | 3 | 2 | 1 | 1 | 10 | 108.7211663 | 132697 | 0 | 0.019 | 0.074 | 0 | 1 | $115.73 | 0 | 0 | 1 |
| 3.1814E+13 | 371100 | 0.418455 | 3680 | 9 | 5 | 5 | 2 | 1 | 1 | 9 | 108.7211663 | 130932 | 0 | 0.02 | 0.058 | 1 | 0 | $100.84 | 0 | 1 | 0 |
| 3.1814E+13 | 371100 | 0.350592 | 3200 | 9 | 4 | 3 | 2 | 1 | 1 | 12 | 108.7211663 | 130932 | 0 | 0.02 | 0.058 | 1 | 0 | $115.97 | 0 | 1 | 0 |
| 3.18413E+13 | 357900 | 0.34426 | 2890 | 8 | 4 | 2.5 | 2 | 1 | 1 | 24 | 108.7211663 | 132697 | 0 | 0.019 | 0.074 | 1 | 0 | $123.84 | 0 | 1 | 0 |
| 3.1814E+13 | 350000 | 0.182004 | 2152 | 6 | 3 | 2.5 | 1 | 1 | 1 | 2 | 108.7211663 | 132697 | 0 | 0.019 | 0.074 | 0 | 1 | $162.64 | 0 | 0 | 1 |
| 3.18413E+13 | 356200 | 0.658149 | 2740 | 8 | 4 | 2.5 | 2 | 1 | 1 | 23 | 108.7211663 | 132697 | 0 | 0.019 | 0.074 | 1 | 0 | $130.00 | 0 | 1 | 0 |
| 3.1814E+13 | 372800 | 0.384432 | 3796 | 7 | 4 | 3 | 2 | 1 | 1 | 10 | 108.7211663 | 130932 | 0 | 0.02 | 0.058 | 1 | 0 | $98.21 | 0 | 1 | 0 |
| 3.18413E+13 | 360000 | 0.367865 | 3571 | 9 | 4 | 2.5 | 2 | 1 | 1 | 25 | 108.7211663 | 132697 | 0 | 0.019 | 0.074 | 1 | 0 | $100.81 | 0 | 1 | 0 |
| 3.1814E+13 | 353000 | 0.217694 | 2152 | 6 | 3 | 3 | 1 | 1 | 1 | 2 | 108.7211663 | 132697 | 0 | 0.019 | 0.074 | 0 | 1 | $164.03 | 0 | 0 | 1 |
| 3.1814E+13 | 355000 | 0.189179 | 2189 | 8 | 3 | 2.5 | 1 | 1 | 1 | 7 | 108.7211663 | 132697 | 0 | 0.019 | 0.074 | 0 | 1 | $162.17 | 0 | 0 | 1 |
| 3.1814E+13 | 374100 | 0.399127 | 3373 | 8 | 4 | 3 | 2 | 1 | 1 | 8 | 108.7211663 | 130932 | 0 | 0.02 | 0.058 | 1 | 0 | $110.91 | 0 | 1 | 0 |
| 3.1814E+13 | 351200 | 0.587593 | 3408 | 9 | 4 | 2.5 | 2 | 1 | 1 | 17 | 108.7211663 | 132697 | 0 | 0.019 | 0.074 | 1 | 0 | $103.05 | 0 | 1 | 0 |
| 3.1814E+13 | 383200 | 0.476273 | 2334 | 6 | 3 | 2.5 | 1 | 1 | 1 | 12 | 108.7211663 | 130932 | 0 | 0.02 | 0.058 | 1 | 0 | $164.18 | 0 | 1 | 0 |
| 3.1814E+13 | 383600 | 0.355974 | 3036 | 8 | 4 | 4.5 | 2 | 1 | 1 | 12 | 108.7211663 | 130932 | 0 | 0.02 | 0.058 | 1 | 0 | $126.35 | 0 | 1 | 0 |
| 3.1814E+13 | 362400 | 0.374402 | 2440 | 6 | 3 | 2 | 1 | 1 | 1 | 9 | 108.7211663 | 132697 | 0 | 0.019 | 0.074 | 0 | 1 | $148.52 | 0 | 0 | 1 |
| 3.1814E+13 | 385100 | 0.345336 | 3548 | 12 | 4 | 2.5 | 2 | 1 | 1 | 11 | 108.7211663 | 130932 | 0 | 0.02 | 0.058 | 1 | 0 | $108.54 | 0 | 1 | 0 |
| 3.18413E+13 | 372600 | 0.208493 | 2558 | 8 | 4 | 2.5 | 2 | 1 | 1 | 23 | 108.7211663 | 132697 | 0 | 0.019 | 0.074 | 1 | 0 | $145.66 | 0 | 1 | 0 |
| 3.1814E+13 | 365000 | 0.168881 | 2522 | 8 | 4 | 3 | 2 | 1 | 1 | 3 | 108.7211663 | 132697 | 0 | 0.019 | 0.074 | 0 | 1 | $144.73 | 0 | 0 | 1 |
| 3.18413E+13 | 370000 | 0.503964 | 1917 | 7 | 3 | 3 | 1 | 1 | 1 | 26 | 108.7211663 | 132697 | 0 | 0.019 | 0.074 | 1 | 0 | $193.01 | 0 | 1 | 0 |
| 3.1814E+13 | 388000 | 0.450873 | 3118 | 9 | 4 | 3.5 | 2 | 1 | 1 | 3 | 108.7211663 | 130932 | 0 | 0.02 | 0.058 | 1 | 0 | $124.44 | 0 | 1 | 0 |
| 3.18413E+13 | 372200 | 0.610097 | 2960 | 9 | 4 | 3.5 | 2 | 1 | 1 | 25 | 108.7211663 | 132697 | 0 | 0.019 | 0.074 | 1 | 0 | $125.74 | 0 | 1 | 0 |
| 3.18413E+13 | 373200 | 0.560585 | 2971 | 9 | 4 | 3.5 | 2 | 1 | 1 | 26 | 108.7211663 | 132697 | 0 | 0.019 | 0.074 | 1 | 0 | $125.61 | 0 | 1 | 0 |
| 3.1814E+13 | 390000 | 0.365709 | 2459 | 7 | 4 | 3.5 | 1 | 1 | 1 | 2 | 108.7211663 | 130932 | 0 | 0.02 | 0.058 | 1 | 0 | $158.60 | 0 | 1 | 0 |
| 3.18413E+13 | 375000 | 0.575012 | 2680 | 6 | 3 | 3.5 | 2 | 1 | 1 | 22 | 108.7211663 | 132697 | 0 | 0.019 | 0.074 | 1 | 0 | $139.93 | 0 | 1 | 0 |
| 3.1814E+13 | 375000 | 0.199532 | 2017 | 6 | 2 | 3 | 1 | 1 | 1 | 4 | 108.7211663 | 132697 | 0 | 0.019 | 0.074 | 0 | 1 | $185.92 | 0 | 0 | 1 |
| 3.18413E+13 | 387600 | 0.70678 | 3128 | 9 | 4 | 2.5 | 2 | 1 | 1 | 18 | 108.7211663 | 132697 | 0 | 0.019 | 0.074 | 1 | 0 | $123.91 | 0 | 1 | 0 |
| 3.18413E+13 | 387800 | 0.917935 | 3130 | 9 | 4 | 3.5 | 2 | 1 | 1 | 23 | 108.7211663 | 132697 | 0 | 0.019 | 0.074 | 1 | 0 | $123.90 | 0 | 1 | 0 |
| 3.1814E+13 | 381600 | 0.83774 | 3152 | 7 | 3 | 3 | 2 | 1 | 1 | 12 | 108.7211663 | 132697 | 0 | 0.019 | 0.074 | 0 | 1 | $121.07 | 0 | 0 | 1 |
| 3.1814E+13 | 386400 | 0.25711 | 3104 | 9 | 0 | 3 | 2 | 1 | 1 | 12 | 108.7211663 | 132697 | 0 | 0.019 | 0.074 | 0 | 1 | $124.48 | 0 | 0 | 1 |

# STATISTICAL SPREADSHEET MODEL

| PARCEL_ID | Total_Value | Lot_Size_Acres | Home_SF | Total_Rooms | Total_Bedrooms | Total_Baths | House_Stories | Basement | Garage | Age_of_Home | School_District_Rating | Neighborhood_Median_Income | Neighborhood_Percent_Vacant | Neighborhood_Unemployment_Rate | Neighborhood_Percent_Minority | Constructed_Noise_wall | Noise_Berm | Total Value/Sq Ft | Control | Wall | Berm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3.1814E+13 | 386400 | 0.494985 | 3104 | 9 | 0 | 3 | 2 | 1 | 1 | 12 | 108.7211663 | 132697 | 0 | 0.019 | 0.074 | 0 | 1 | $124.48 | 0 | 0 | 1 |
| 3.1814E+13 | 382800 | 0.845946 | 3161 | 8 | 4 | 2.5 | 2 | 1 | 1 | 17 | 108.7211663 | 132697 | 0 | 0.019 | 0.074 | 1 | 0 | $121.10 | 0 | 1 | 0 |
| 3.18413E+13 | 395500 | 0.629629 | 3090 | 10 | 4 | 2.5 | 2 | 1 | 1 | 23 | 108.7211663 | 132697 | 0 | 0.019 | 0.074 | 1 | 0 | $127.99 | 0 | 1 | 0 |
| 3.1814E+13 | 408900 | 0.350422 | 3170 | 8 | 4 | 4.5 | 2 | 1 | 1 | 12 | 108.7211663 | 130932 | 0 | 0.02 | 0.058 | 1 | 0 | $128.99 | 0 | 1 | 0 |
| 3.1814E+13 | 413000 | 0.38499 | 4200 | 9 | 4 | 4.5 | 2 | 1 | 1 | 10 | 108.7211663 | 130932 | 0 | 0.02 | 0.058 | 1 | 0 | $98.33 | 0 | 1 | 0 |
| 3.18413E+13 | 400300 | 0.75664 | 3229 | 8 | 4 | 2.5 | 2 | 1 | 1 | 23 | 108.7211663 | 132697 | 0 | 0.019 | 0.074 | 1 | 0 | $123.97 | 0 | 1 | 0 |
| 3.18413E+13 | 398200 | 0.827199 | 3212 | 8 | 4 | 2.5 | 2 | 1 | 1 | 23 | 108.7211663 | 132697 | 0 | 0.019 | 0.074 | 1 | 0 | $123.97 | 0 | 1 | 0 |
| 3.1814E+13 | 395000 | 0.16724 | 2005 | 6 | 3 | 3 | 1 | 1 | 1 | 3 | 108.7211663 | 132697 | 0 | 0.019 | 0.074 | 0 | 1 | $197.01 | 0 | 0 | 1 |
| 3.18413E+13 | 404400 | 0.686004 | 3261 | 8 | 3 | 3.5 | 2 | 1 | 1 | 19 | 108.7211663 | 132697 | 0 | 0.019 | 0.074 | 1 | 0 | $124.01 | 0 | 1 | 0 |
| 3.1814E+13 | 425200 | 0.45461 | 3099 | 9 | 4 | 3.5 | 2 | 1 | 1 | 12 | 108.7211663 | 130932 | 0 | 0.02 | 0.058 | 1 | 0 | $137.21 | 0 | 1 | 0 |
| 3.18413E+13 | 408000 | 0.697062 | 3130 | 9 | 4 | 2.5 | 2 | 1 | 1 | 23 | 108.7211663 | 132697 | 0 | 0.019 | 0.074 | 1 | 0 | $130.35 | 0 | 1 | 0 |
| 3.1814E+13 | 401500 | 0.391114 | 3536 | 9 | 4 | 3.5 | 2 | 1 | 1 | 14 | 108.7211663 | 132697 | 0 | 0.019 | 0.074 | 1 | 0 | $113.55 | 0 | 1 | 0 |
| 3.18413E+13 | 413700 | 0.660774 | 3839 | 8 | 3 | 3.5 | 2 | 1 | 1 | 22 | 108.7211663 | 132697 | 0 | 0.019 | 0.074 | 1 | 0 | $107.76 | 0 | 1 | 0 |
| 3.18413E+13 | 418700 | 0.981668 | 3376 | 8 | 4 | 2.5 | 2 | 1 | 1 | 23 | 108.7211663 | 132697 | 0 | 0.019 | 0.074 | 1 | 0 | $124.02 | 0 | 1 | 0 |
| 3.1814E+13 | 415000 | 0.207187 | 2761 | 8 | 4 | 4 | 2 | 1 | 1 | 2 | 108.7211663 | 132697 | 0 | 0.019 | 0.074 | 0 | 1 | $150.31 | 0 | 0 | 1 |
| 3.1814E+13 | 415000 | 0.38014 | 2035 | 6 | 3 | 3 | 1 | 1 | 1 | 2 | 108.7211663 | 132697 | 0 | 0.019 | 0.074 | 0 | 1 | $203.93 | 0 | 0 | 1 |
| 3.1814E+13 | 445400 | 0.42402 | 2557 | 6 | 2 | 3 | 1 | 1 | 1 | 11 | 108.7211663 | 130932 | 0 | 0.02 | 0.058 | 1 | 0 | $174.19 | 0 | 1 | 0 |
| 3.1814E+13 | 441300 | 0.349426 | 3027 | 8 | 4 | 3.5 | 2 | 1 | 1 | 12 | 108.7211663 | 130932 | 0 | 0.02 | 0.058 | 1 | 0 | $145.79 | 0 | 1 | 0 |
| 3.1814E+13 | 446000 | 1.192554 | 4384 | 9 | 4 | 4.5 | 2 | 1 | 1 | 10 | 108.7211663 | 130932 | 0 | 0.02 | 0.058 | 1 | 0 | $101.73 | 0 | 1 | 0 |
| 3.1814E+13 | 425000 | 0.183675 | 2691 | 8 | 4 | 4 | 1.5 | 1 | 1 | 3 | 108.7211663 | 132697 | 0 | 0.019 | 0.074 | 0 | 1 | $157.93 | 0 | 0 | 1 |
| 3.1814E+13 | 425000 | 0.38014 | 2187 | 6 | 3 | 3 | 1 | 1 | 1 | 2 | 108.7211663 | 132697 | 0 | 0.019 | 0.074 | 0 | 1 | $194.33 | 0 | 0 | 1 |
| 3.1814E+13 | 452000 | 0.333264 | 3787 | 9 | 4 | 3.5 | 2 | 1 | 1 | 2 | 108.7211663 | 130932 | 0 | 0.02 | 0.058 | 1 | 0 | $119.36 | 0 | 1 | 0 |
| 3.1814E+13 | 434400 | 0.249209 | 3308 | 8 | 4 | 4 | 2 | 1 | 1 | 14 | 108.7211663 | 132697 | 0 | 0.019 | 0.074 | 0 | 1 | $131.32 | 0 | 0 | 1 |
| 3.18413E+13 | 491100 | 0.128179 | 4453 | 9 | 4 | 3.5 | 2 | 1 | 1 | 25 | 108.7211663 | 132697 | 0 | 0.019 | 0.074 | 1 | 0 | $110.29 | 0 | 1 | 0 |
| 3.18413E+13 | 489000 | 0.733632 | 3522 | 10 | 5 | 3.5 | 2 | 1 | 1 | 22 | 108.7211663 | 132697 | 0 | 0.019 | 0.074 | 1 | 0 | $138.84 | 0 | 1 | 0 |
| 3.1814E+13 | 545000 | 0.257526 | 2288 | 6 | 3 | 3.5 | 1 | 1 | 1 | 2 | 108.7211663 | 132697 | 0 | 0.019 | 0.074 | 0 | 1 | $238.20 | 0 | 0 | 1 |
| 3.1814E+13 | 605700 | 0.376379 | 6125 | 14 | 6 | 6 | 2 | 1 | 1 | 11 | 108.7211663 | 130932 | 0 | 0.02 | 0.058 | 1 | 0 | $98.89 | 0 | 1 | 0 |
| 62002100039 | 137520 | 1.36 | 960 | 5 | 3 | 1 | 1 | 1 | 1 | 63 | 108.9346118 | 201406 | 0 | 0.060908084 | 0.263496144 | 0 | 1 | $143.25 | 0 | 0 | 1 |
| 62002100207 | 197600 | 0.47 | 1957 | 8 | 4 | 2.5 | 2 | 1 | 1 | 50 | 108.9346118 | 201406 | 0 | 0.060908084 | 0.263496144 | 0 | 1 | $100.97 | 0 | 0 | 1 |
| 62002100208 | 208160 | 0.46 | 1930 | 8 | 4 | 2.5 | 2 | 1 | 1 | 50 | 108.9346118 | 201406 | 0 | 0.060908084 | 0.263496144 | 0 | 1 | $107.85 | 0 | 0 | 1 |
| 62002100209 | 216000 | 0.463 | 2074 | 8 | 4 | 2.5 | 2 | 1 | 1 | 50 | 108.9346118 | 201406 | 0 | 0.060908084 | 0.263496144 | 0 | 1 | $104.15 | 0 | 0 | 1 |
| 62002100210 | 223000 | 0.494 | 1990 | 8 | 4 | 2.5 | 2 | 1 | 1 | 50 | 108.9346118 | 201406 | 0 | 0.060908084 | 0.263496144 | 0 | 1 | $112.06 | 0 | 0 | 1 |
| 62002030085 | 282820 | 0.526 | 3139 | 9 | 4 | 2.5 | 2 | 1 | 1 | 25 | 108.9346118 | 201406 | 0 | 0.060908084 | 0.263496144 | 1 | 0 | $90.10 | 0 | 1 | 0 |
| 62002100206 | 251570 | 0.678 | 2488 | 10 | 4 | 2.5 | 2 | 1 | 1 | 50 | 108.9346118 | 201406 | 0 | 0.060908084 | 0.263496144 | 0 | 1 | $101.11 | 0 | 0 | 1 |
| 62002030077 | 321350 | 0.634 | 2740 | 9 | 4 | 2.5 | 2 | 1 | 1 | 27 | 108.9346118 | 201406 | 0 | 0.060908084 | 0.263496144 | 0 | 1 | $117.28 | 0 | 0 | 1 |
| 62002030079 | 329000 | 0.492 | 2610 | 8 | 4 | 2.5 | 2 | 1 | 1 | 26 | 108.9346118 | 201406 | 0 | 0.060908084 | 0.263496144 | 0 | 1 | $126.05 | 0 | 0 | 1 |
| 62002030076 | 333450 | 0.662 | 3138 | 9 | 4 | 3.5 | 2 | 1 | 1 | 25 | 108.9346118 | 201406 | 0 | 0.060908084 | 0.263496144 | 0 | 1 | $106.26 | 0 | 0 | 1 |
| 62002030162 | 334170 | 0.619 | 2944 | 8 | 4 | 3.5 | 2 | 1 | 1 | 26 | 108.9346118 | 201406 | 0 | 0.060908084 | 0.263496144 | 1 | 0 | $113.51 | 0 | 1 | 0 |
| 62002030073 | 340610 | 0.553 | 2082 | 7 | 3 | 3 | 1 | 1 | 1 | 28 | 108.9346118 | 201406 | 0 | 0.060908084 | 0.263496144 | 0 | 1 | $163.60 | 0 | 0 | 1 |
| 62002030139 | 340610 | 0.664 | 2708 | 10 | 4 | 2.5 | 2 | 1 | 1 | 26 | 108.9346118 | 201406 | 0 | 0.060908084 | 0.263496144 | 1 | 0 | $125.78 | 0 | 1 | 0 |
| 62002030087 | 343140 | 0.462 | 2638 | 8 | 3 | 3 | 2 | 1 | 1 | 27 | 108.9346118 | 201406 | 0 | 0.060908084 | 0.263496144 | 1 | 0 | $130.08 | 0 | 1 | 0 |
| 62002030141 | 344500 | 0.634 | 2705 | 9 | 4 | 2.5 | 2 | 1 | 1 | 24 | 108.9346118 | 201406 | 0 | 0.060908084 | 0.263496144 | 1 | 0 | $127.36 | 0 | 1 | 0 |
| 62002030148 | 386950 | 1.378 | 3172 | 9 | 4 | 2.5 | 2 | 1 | 1 | 26 | 108.9346118 | 201406 | 0 | 0.060908084 | 0.263496144 | 1 | 0 | $121.99 | 0 | 1 | 0 |
| 62002030159 | 347990 | 0.673 | 2760 | 9 | 4 | 3 | 1 | 1 | 1 | 26 | 108.9346118 | 201406 | 0 | 0.060908084 | 0.263496144 | 1 | 0 | $126.08 | 0 | 1 | 0 |
| 62002030086 | 352550 | 0.77 | 2595 | 8 | 4 | 3.5 | 2 | 1 | 1 | 26 | 108.9346118 | 201406 | 0 | 0.060908084 | 0.263496144 | 1 | 0 | $135.86 | 0 | 1 | 0 |
| 62002030074 | 352960 | 0.462 | 3401 | 10 | 4 | 2.5 | 2 | 1 | 1 | 28 | 108.9346118 | 201406 | 0 | 0.060908084 | 0.263496144 | 0 | 1 | $103.78 | 0 | 0 | 1 |
| 62002030104 | 353840 | 0.335 | 3038 | 9 | 4 | 2.5 | 2 | 1 | 1 | 27 | 108.9346118 | 201406 | 0 | 0.060908084 | 0.263496144 | 0 | 1 | $116.47 | 0 | 0 | 1 |
| 62002030106 | 355000 | 0.133 | 2880 | 9 | 4 | 2.5 | 2 | 1 | 1 | 27 | 108.9346118 | 201406 | 0 | 0.060908084 | 0.263496144 | 0 | 1 | $123.26 | 0 | 0 | 1 |
| 62002030082 | 355320 | 0.496 | 3327 | 8 | 4 | 2.5 | 2 | 1 | 1 | 26 | 108.9346118 | 201406 | 0 | 0.060908084 | 0.263496144 | 0 | 1 | $106.80 | 0 | 0 | 1 |
| 62002030078 | 359740 | 0.641 | 3112 | 9 | 4 | 2.5 | 2 | 1 | 1 | 25 | 108.9346118 | 201406 | 0 | 0.060908084 | 0.263496144 | 0 | 1 | $115.60 | 0 | 0 | 1 |
| 62002030138 | 360460 | 0.6 | 2704 | 9 | 4 | 2.5 | 2 | 1 | 1 | 26 | 108.9346118 | 201406 | 0 | 0.060908084 | 0.263496144 | 1 | 0 | $133.31 | 0 | 1 | 0 |
| 62002030088 | 360830 | 0.506 | 3018 | 9 | 4 | 2.5 | 2 | 1 | 1 | 27 | 108.9346118 | 201406 | 0 | 0.060908084 | 0.263496144 | 1 | 0 | $119.56 | 0 | 1 | 0 |
| 62002030140 | 363470 | 0.466 | 2550 | 8 | 4 | 3.5 | 1 | 1 | 1 | 21 | 108.9346118 | 201406 | 0 | 0.060908084 | 0.263496144 | 0 | 1 | $142.54 | 0 | 0 | 1 |
| 62002030093 | 397640 | 1.01 | 3238 | 10 | 5 | 3.5 | 2 | 1 | 1 | 28 | 108.9346118 | 201406 | 0 | 0.060908084 | 0.263496144 | 1 | 0 | $122.80 | 0 | 1 | 0 |
| 62002030098 | 369410 | 0.521 | 3109 | 11 | 4 | 2.5 | 2 | 1 | 1 | 27 | 108.9346118 | 201406 | 0 | 0.060908084 | 0.263496144 | 0 | 1 | $118.82 | 0 | 0 | 1 |
| 62002030144 | 413170 | 1.508 | 3317 | 8 | 4 | 3 | 2 | 1 | 1 | 26 | 108.9346118 | 201406 | 0 | 0.060908084 | 0.263496144 | 1 | 0 | $124.56 | 0 | 1 | 0 |
| 62002030092 | 372500 | 0.508 | 2756 | 8 | 3 | 2.5 | 1 | 1 | 1 | 27 | 108.9346118 | 201406 | 0 | 0.060908084 | 0.263496144 | 1 | 0 | $135.16 | 0 | 1 | 0 |
| 62002030161 | 372670 | 0.476 | 3401 | 10 | 4 | 2.5 | 2 | 1 | 1 | 26 | 108.9346118 | 201406 | 0 | 0.060908084 | 0.263496144 | 1 | 0 | $109.58 | 0 | 1 | 0 |
| 62002030135 | 372970 | 0.494 | 3354 | 9 | 4 | 2.5 | 2 | 1 | 1 | 27 | 108.9346118 | 201406 | 0 | 0.060908084 | 0.263496144 | 1 | 0 | $111.20 | 0 | 1 | 0 |
| 62002030091 | 373520 | 0.471 | 4720 | 9 | 4 | 2.5 | 2 | 1 | 1 | 27 | 108.9346118 | 201406 | 0 | 0.060908084 | 0.263496144 | 1 | 0 | $79.14 | 0 | 1 | 0 |
| 62002030103 | 375470 | 0.472 | 3016 | 9 | 4 | 4.5 | 2 | 1 | 1 | 27 | 108.9346118 | 201406 | 0 | 0.060908084 | 0.263496144 | 0 | 1 | $124.49 | 0 | 0 | 1 |
| 62002030146 | 439740 | 2.2 | 3379 | 10 | 5 | 3.5 | 2 | 1 | 1 | 25 | 108.9346118 | 201406 | 0 | 0.060908084 | 0.263496144 | 1 | 0 | $130.14 | 0 | 1 | 0 |
| 62002030105 | 378480 | 0.195 | 2803 | 9 | 4 | 2.5 | 2 | 1 | 1 | 27 | 108.9346118 | 201406 | 0 | 0.060908084 | 0.263496144 | 0 | 1 | $135.03 | 0 | 0 | 1 |
| 62002030083 | 379500 | 0.452 | 2748 | 10 | 4 | 3.5 | 1 | 1 | 1 | 27 | 108.9346118 | 201406 | 0 | 0.060908084 | 0.263496144 | 0 | 1 | $138.10 | 0 | 0 | 1 |
| 62002030136 | 381550 | 0.65 | 3485 | 8 | 4 | 3 | 2 | 1 | 1 | 26 | 108.9346118 | 201406 | 0 | 0.060908084 | 0.263496144 | 1 | 0 | $109.48 | 0 | 1 | 0 |
| 62002030137 | 382830 | 0.475 | 2951 | 9 | 4 | 5 | 2 | 1 | 1 | 26 | 108.9346118 | 201406 | 0 | 0.060908084 | 0.263496144 | 1 | 0 | $129.73 | 0 | 1 | 0 |
| 62002030160 | 383180 | 0.596 | 3402 | 9 | 3 | 2.5 | 2 | 1 | 1 | 26 | 108.9346118 | 201406 | 0 | 0.060908084 | 0.263496144 | 1 | 0 | $112.63 | 0 | 1 | 0 |
| 62002030149 | 424180 | 1.414 | 3756 | 8 | 4 | 2.5 | 2 | 1 | 1 | 26 | 108.9346118 | 201406 | 0 | 0.060908084 | 0.263496144 | 1 | 0 | $112.93 | 0 | 1 | 0 |
| 62002030084 | 384210 | 0.895 | 3584 | 8 | 3 | 2.5 | 2 | 1 | 1 | 27 | 108.9346118 | 201406 | 0 | 0.060908084 | 0.263496144 | 0 | 1 | $107.20 | 0 | 0 | 1 |
| 62002030145 | 440800 | 1.976 | 2938 | 9 | 4 | 2.5 | 2 | 1 | 1 | 25 | 108.9346118 | 201406 | 0 | 0.060908084 | 0.263496144 | 1 | 0 | $150.03 | 0 | 1 | 0 |
| 62002030163 | 385230 | 0.635 | 3325 | 9 | 4 | 2.5 | 2 | 1 | 1 | 26 | 108.9346118 | 201406 | 0 | 0.060908084 | 0.263496144 | 1 | 0 | $115.86 | 0 | 1 | 0 |
| 62002030099 | 386140 | 0.469 | 2744 | 12 | 5 | 4 | 2 | 1 | 1 | 27 | 108.9346118 | 201406 | 0 | 0.060908084 | 0.263496144 | 0 | 1 | $140.72 | 0 | 0 | 1 |
| 62002030090 | 389000 | 0.539 | 3305 | 9 | 4 | 2.5 | 2 | 1 | 1 | 27 | 108.9346118 | 201406 | 0 | 0.060908084 | 0.263496144 | 1 | 0 | $117.70 | 0 | 1 | 0 |
| 62002030102 | 390000 | 0.561 | 3612 | 9 | 5 | 2.5 | 2 | 1 | 1 | 27 | 108.9346118 | 201406 | 0 | 0.060908084 | 0.263496144 | 0 | 1 | $107.97 | 0 | 0 | 1 |
| 62002100584 | 366300 | 0.336 | 2909 | 9 | 4 | 2.5 | 2 | 1 | 1 | 25 | 108.9346118 | 201406 | 0 | 0.060908084 | 0.263496144 | 0 | 1 | $125.92 | 0 | 0 | 1 |
| 62002030080 | 392320 | 0.558 | 3448 | 9 | 5 | 3.5 | 2 | 1 | 1 | 27 | 108.9346118 | 201406 | 0 | 0.060908084 | 0.263496144 | 0 | 1 | $113.78 | 0 | 0 | 1 |

# STATISTICAL SPREADSHEET MODEL

| PARCEL_ID | Total_Value | Lot_Size_Acres | Home_SF | Total_Rooms | Total_Bedrooms | Total_Baths | House_Stories | Basement | Garage | Age_of_Home | School_District_Rating | Neighborhood_Median_Income | Neighborhood_Percent_Vacant | Neighborhood_Unemployment_Rate | Neighborhood_Percent_Minority | Constructed_Noise_wall | Noise_Berm | Total Value/Sq Ft | Control | Wall | Berm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 62002030100 | 402080 | 0.455 | 3191 | 10 | 4 | 3.5 | 2 | 1 | 1 | 28 | 108.9346118 | 201406 | 0 | 0.060908084 | 0.263496144 | 0 | 1 | $126.00 | 0 | 0 | 1 |
| 62002030097 | 410000 | 0.52 | 4070 | 9 | 4 | 3.5 | 2 | 1 | 1 | 28 | 108.9346118 | 201406 | 0 | 0.060908084 | 0.263496144 | 1 | 0 | $100.74 | 0 | 1 | 0 |
| 62002030101 | 410400 | 0.495 | 3535 | 10 | 4 | 2.5 | 2 | 1 | 1 | 27 | 108.9346118 | 201406 | 0 | 0.060908084 | 0.263496144 | 0 | 1 | $116.10 | 0 | 0 | 1 |
| 62002030089 | 415590 | 0.478 | 3736 | 9 | 4 | 4.5 | 2 | 1 | 1 | 27 | 108.9346118 | 201406 | 0 | 0.060908084 | 0.263496144 | 1 | 0 | $111.24 | 0 | 1 | 0 |
| 62002030081 | 416000 | 0.463 | 2758 | 8 | 4 | 3.5 | 2 | 1 | 1 | 27 | 108.9346118 | 201406 | 0 | 0.060908084 | 0.263496144 | 0 | 1 | $150.83 | 0 | 0 | 1 |
| 62002100729 | 429430 | 0.51 | 2679 | 6 | 3 | 2.5 | 2 | 0 | 1 | 3 | 108.9346118 | 201406 | 0 | 0.060908084 | 0.263496144 | 0 | 1 | $160.29 | 0 | 0 | 1 |
| 62002030143 | 486900 | 2.096 | 3487 | 9 | 4 | 3.5 | 2 | 1 | 1 | 25 | 108.9346118 | 201406 | 0 | 0.060908084 | 0.263496144 | 1 | 0 | $139.63 | 0 | 1 | 0 |
| 62002030094 | 452000 | 0.765 | 3197 | 8 | 4 | 3.5 | 2 | 1 | 1 | 28 | 108.9346118 | 201406 | 0 | 0.060908084 | 0.263496144 | 1 | 0 | $141.38 | 0 | 1 | 0 |
| 62002030096 | 436530 | 0.562 | 3048 | 8 | 4 | 2.5 | 2 | 1 | 1 | 28 | 108.9346118 | 201406 | 0 | 0.060908084 | 0.263496144 | 1 | 0 | $143.22 | 0 | 1 | 0 |
| 62002030147 | 495900 | 2.047 | 3594 | 11 | 5 | 4.5 | 2 | 1 | 1 | 25 | 108.9346118 | 201406 | 0 | 0.060908084 | 0.263496144 | 1 | 0 | $137.98 | 0 | 1 | 0 |
| 62002030075 | 438890 | 0.539 | 3404 | 10 | 4 | 2.5 | 2 | 1 | 1 | 27 | 108.9346118 | 201406 | 0 | 0.060908084 | 0.263496144 | 0 | 1 | $128.93 | 0 | 0 | 1 |
| 62002030095 | 438900 | 0.551 | 3287 | 10 | 4 | 3.5 | 2 | 1 | 1 | 28 | 108.9346118 | 201406 | 0 | 0.060908084 | 0.263496144 | 1 | 0 | $133.53 | 0 | 1 | 0 |
| 62002030158 | 469680 | 0.678 | 3354 | 11 | 5 | 4.5 | 2 | 1 | 1 | 26 | 108.9346118 | 201406 | 0 | 0.060908084 | 0.263496144 | 1 | 0 | $140.04 | 0 | 1 | 0 |
| 62002030142 | 510720 | 1.361 | 3484 | 10 | 5 | 3.5 | 2 | 1 | 1 | 25 | 108.9346118 | 201406 | 0 | 0.060908084 | 0.263496144 | 1 | 0 | $146.59 | 0 | 1 | 0 |
| 62002100037 | 550740 | 0.555 | 2998 | 9 | 4 | 3.5 | 2 | 1 | 1 | 74 | 108.9346118 | 201406 | 0 | 0.060908084 | 0.263496144 | 0 | 1 | $183.70 | 0 | 0 | 1 |

# APPENDIX B
## Parcel Data Source Details

# PARCEL DATA SOURCE DETAILS

All non-residential parcels were removed from the regression analysis, but they were included in initial data collection.

**Franklin County Sites**

- Used Parcel data provided by the Franklin County Auditor (Dated 12.02.2015)
- Missing property data: Garage Data, Lot Size, and improvement values for one area.
- Garage Data: Manually checked with Google Earth and aerials
- Lot Size calculated using GIS
- Used Improvement Values listed on the Auditor Website (2016)
- Census: ACS 2015 (5-year estimates) by block group
- Data doubled checked for accuracy

**Delaware County Sites**

- Used Parcel data provided by the Delaware County Auditor (Dated 2017)
- Missing property data: Garage Data and Lot Size.
- Garage Data: Manually checked with Google Earth and aerials
- Lot Size calculated using GIS
- Census: ACS 2015 (5-year estimates) by block group
- Data checked for accuracy

**Montgomery County Sites**

- Used Parcel data provided by the Montgomery County Auditor (Dated 7.05.16)
- Joined parcel shape files with county CAMA files (Dated 7.05.16)
- Missing property data: Garage Data and Lot Size
- Garage Data: Manually checked with Google Earth and aerials
- Lot Size calculated using GIS
- Census: ACS 2015 (5-year estimates) by block group
- Data checked for accuracy

**Hamilton County Sites**

- Used Parcel data provided by the Hamilton County Auditor (Dated 10.24.2016)
- Joined parcel shape files with county CAGIS files
- Census: ACS 2015 (5-year estimates) by block group
- Data checked for accuracy
- Data wrong on 8 parcels compared to county auditor website, all data reviewed.

**Stark County Sites**

- Used Parcel data provided by the Franklin County Auditor (Dated.2013)
- Missing property data: Garage Data and Lot Size.
- Garage Data: Manually checked with Google Earth and aerials
- Lot Size calculated using GIS
- Census: ACS 2015 (5-year estimates) by block group
- Except for Census Tract 2010, Block Group 2 (missing from 2015 estimates) used 2014 date instead.
- Data checked for accuracy

# APPENDIX C
## Project Timeline

# PROJECT TIMELINE

| | |
|---|---|
| September 2016 | • Project Kickoff<br>• Identify Stakeholders |
| October 2016 | • Begin Data Collection<br>• Stakeholder Meeting #1, Initial Meeting<br>• Identify Literature Sources & Case Studies<br>• Determine Preliminary Model Variables & Structure |
| November 2016 | • Data Collection<br>• Review Literature Sources & Case Studies |
| December 2016 | • Data Collection |
| January 2017 | • Data Collection<br>• Build & Populate Spreadsheet Model |
| February 2017 | • Build & Populate Spreadsheet Model |
| March 2017 | • Analyze Results |
| April 2017 | • Analyze Results |
| May 2017 | • Analyze Results |
| June 2017 | • Draft Report<br>• Stakeholder Meeting #2, Review Results<br>• Submit Conference Conference Abstract |
| July 2017 | • Draft Report<br>• Prepare Conference Presentation<br>• Transportation Research Board's Noise & Vibration Conference Presentation |
| August 2017 | • Finalize & Print Report<br>• ODC/OREC & Stakeholder #3 Final Presentation<br>• Community Meetings/Presentations<br>• Project Complete |

# APPENDIX D
## Stakeholder Meeting Materials

# Stakeholder List

| Name | Affiliation | Phone | E-mail |
|---|---|---|---|
| Cynthia Jones | ODOT, Office of Planning and Research | 614-466-1975 | Cynthia.Jones@dot.ohio.gov |
| Noel Alcala | ODOT Noise Progrram Manager | 614-466-5222 | Noel.Alcala@dot.ohio.gov |
| Rick Stein | Urban Decision Group | 614-383-8GIS | rstein@urbandecisiongroup.com |
| Robert Priestas | City of Gahanna | 614-342-4050 | Robert.Priestas@gahanna.gov |
| Christina O'Keeffe | MORPC | 614-228-2663 | cokeefe@morpc.org |
| Devin Carothers | Kaufman Development | 614-299-9200 | ddcarothers@gmail.com |
| Mary Oakley | ODS- Office of Community Development | 614-644-9226 | Mary.Oakley@development.ohio.gov |
| Stephen Mayer | City of New Albany | 614-939-2254 | smayer@newalbanyohio.org |
| Jana Hrdinova | OSU Fisher College of Buisness Center for Real Estate | 614-292-8916 | hrdinova.1@osu.edu |
| Anne Petit | ODC-Division of Real Estate & Professional Licensing | 614-466-4100 | Anne.Petit@com.ohio.gov |
| Gerald Tout | Martin-Wood Appraisal | 614-356-7729 | gtout@martin-woodappraisal.com |
| Matt Wolfe | West Erie Realty | 614-356-7729 | mattw@westerierealty.com |
| Kevin Wheeler | City of Columbus | 614-645-6057 | KJWheeler@columbus.gov |
| Kevin O'Grady | ODOT, Office of Real Estate | | Kevin.OGrady@dot.ohio.gov |
| Mike Pione | Steiner Development | 614-414-7300 | mpione@steiner.com |
| Scott Sanders | Delaware County Regional Planning Commission | 740-833-2260 | Ssanders@co.delaware.oh.us |
| Kyle Rauch | City of Grove City | 614-277-3010 | krauch@grovecityohio.gov |
| Elvin Pinckney | Retired ODOT Noise Program Manager / Noise Researcher | | e4491p@aol.com |
| Adam Alexander | FHWA Noise Program Manager | | Alexander230@osu.edu |

# Stakeholder Meeting #1

October 21, 2016, 12:30pm – 2:00pm
Ohio State University, Knowlton Hall, Room 190

## AGENDA

### Introductions

- Group introductions – Project Team & Attendees
- Group introductions – Non-Attendees

### Research Project Introduction

- Goals
- Scope of Work
- Expected Results and Potential Outcomes

### Stakeholder Roles

- Level of Involvement
- Data Sources
- Property Value Determination Methods
- Important Variables
- Preliminary Results
- Potential Implementation Opportunities

### Today's Input

- Project Introduction
- Preliminary Questions
- File Sharing Preference

### Schedule & Next Steps

- September 2016 – January 2017
  - Identify data and literature sources, determine property value variables, and collect property value data
- January – February 2017
  - Build and populate spreadsheet model
- March – April 2017
  - Analyze the data
- May – June 2017
  - Draft the report; hold Stakeholder Meeting #2 (review results)
- July – August 2017
  - Finalize report, Stakeholder Meeting #3 (Final presentation), Community presentations, complete research project.

Thank you for your time today!

Any comments or questions, please contact Josh Kubitza at kubitza.1@osu.edu.

# Stakeholder Meeting #1 Notes

Attendees: Rick Stein, Josh Kubitza, Kim Burton, Kevin Wolf, Elvin Pinckney, and Kevin O'Grady

**Introductions:**
Introduction of all attendees

**Research Project Introduction:**
Provided the research project goals, the general scope of work, expected results, and potential outcomes.

**Stakeholder Roles:**
The general role is to provide initial direction, data sources, and input on the property value models and variables.

Meeting # 1: (October) Provide initial feedback and direction
Meeting # 2: (June) Provide feedback on initial results
Meeting # 3: (July-August) Attend final presentation

**Project questions:**

What are the best sources of property value data?

1) MLS data
2) County Auditor

What are the best ways (i.e. formulas, theories, methods) to determine how property values are calculated?

1) Sales Comparison: Compare homes with similar characteristics.
2) Cost Comparison: Use national cost service to apply a national modifier for location and time.
3) Income Approach: Looks at similar properties and compares the properties, used for rental properties.
4) Hedonic model: A research method to determine the price effect that a characteristic (1 bedroom, a garage, brick walls, etc.) has on the overall property values.

What variables are involved in calculating property values?

1) School Districts – Might be the single most important factor
2) Square feet of the home
3) Number of bedrooms and bathrooms
4) Presence of a garage and basement
5) Age of home

How far away from the noise barrier do you think property values are affected by noise/noise barriers?

1) The complete sub-division

How do you think this study could benefit the state, counties & communities, developers, and individual property owner & their property values?

1) Design consideration and effectiveness
2) Combination of green space requirement with the construction of earthen berms.

Best way for to provide information to stakeholders?

1) FTP site (access instructions will be provided shortly)

# Stakeholder Meeting #2

June 8, 2017, 10:00am – 11:00am
Ohio State University, Knowlton Hall, Room 176

## AGENDA

### Introductions

### Today's Input

- Study area sites evaluation
- Variables evaluation
- Results evaluation
- Future refinement/additions to this study

### Presentation

- Problem Statement Review
- Progress Update
- Literature Review Results
- Study Area Sites
- Selected Variables
- Preliminary Analysis Results

### Next Steps

- June 2017
  - Finalize analysis results
  - Draft report
- July 2017
  - Finalize and print report
  - TRB's Noise & Vibration Committee Conference presentation
  - **Final presentation to ODC & Stakeholder Committee**
  - Meet with communities to discuss results
- August 2017
  - Meet with communities to discuss results
  - Project complete, close out grant
- Later/Post-Project
  - Publication(s), presentation(s)
  - Further studies?
  - Other implementation/uses of this study?

Thank you for your time today!

Any comments or questions, please contact Kimberly Burton at burton.90@osu.edu.

# PROPERTY VALUATION COMPARISON OF NOISE-MITIGATED RESIDENCES RESEARCH STUDY

Stakeholder Meeting #2
June 8, 2017

Client: Ohio Department of Commerce, Division of Real Estate & Professional Licensing

## Today's Agenda

- Stakeholder Input
- Problem Statement Review
- Progress Update
- Literature Review Results
- Study Area Sites
- Selected Variables
- Preliminary Analysis Results
- Next Steps

## Stakeholder Input

- Study area sites evaluation
- Variables evaluation
- Results evaluation
- Identify future refinements/additions to this study

## Problem Statement Review

- Structural noise walls are more costly to construct and maintain than earthen mounds, but earthen mounds require more space (land).
- The objective of this project is to determine if the property values are higher for residences located behind earthen berms or behind structural noise barriers – or if there is no measurable difference.
- These results could help state DOTs and communities prioritize the type of noise mitigation that is better for property values.

## Progress Update

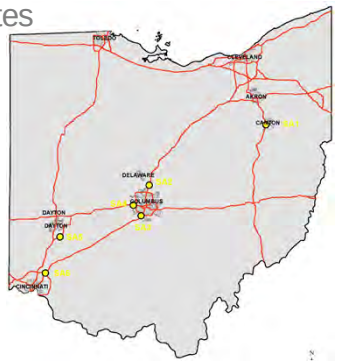
| | |
|---|---|
| **September 2016** | • Project Kickoff, Identify Stakeholders |
| **October 2016** | • Begin Data Collection, Identify Literature Sources & Case Studies, Determine Preliminary Model Variables & Structure<br>• Stakeholder Meeting #1, Initial Meeting |
| **Nov - Dec 2016** | • Data Collection, Review Literature Sources & Case Studies |
| **Jan - Feb 2017** | • Data Collection, Build & Populate Spreadsheet Model |
| **March - May 2017** | • Run Model, Analyze Results |
| **June 2017** | • Draft Report<br>• Stakeholder Meeting #2, Review Results |
| **July 2017** | • Finalize & Print Report<br>• ODC & Stakeholder #3 Final Presentation<br>• Community Meetings/Presentations<br>• TRB's Noise & Vibration Committee Conference Presentation |
| **August 2017** | • Community Meetings/Presentations<br>• Project Complete |

## Literature Review Results

- The literature review identified previous research related to traffic noise impacts on property values:
  - Traffic noise has typically has negative impacts to single-family homes property values from noise in the U.S. and in Europe.
  - The hedonic pricing method is the common method used to conduct property value analyses.
  - Previous research has focused on the effect of different noise levels and locations on property values.
  - No studies were identified that compared the effect of different mitigation techniques on property values.

## Study Area Sites

- 1 – Canton/I-77
- 2 – Orange Twp/I-71
- 3 – Grove City/I-71
- 4 – Hilliard/I-70
- 5 – Centerville/I-675
- 6 – Cincinnati/I-71




## Study Area Sites

- 1 – Canton/I-77





## Study Area Sites

- 2 – Orange Twp/I-71





## Study Area Sites

- 3 – Grove City/I-71





## Study Area Sites

- 4 – Hilliard/I-70





## Study Area Sites

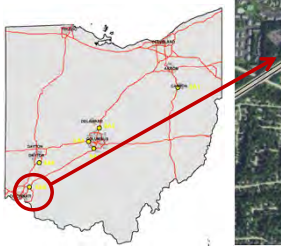
- 5 – Centerville/I-675





## Study Area Sites

- 6 – Cincinnati/I-71





## Selected Variables

- Dependent Variables
  - Building Value + Land Value = Total Value ($)
- Physical Variables
  - Lot Size (Acres)
  - Building Size (Sq Ft)
  - Total Rooms, Bedrooms (#s)
  - Half Baths/2 + Full Baths = Total Baths (#)
  - Building Stories (#)
  - Basement, Garage (Presence/Absence = 1/0)
  - Current Year (2016) - Year Built = Age of Home (Years)
- Location Variables
  - School District (Rating)
  - Neighborhood Median Income, Percent Vacant, Unemployment Rate, Percent Minority ($, %)
- Environmental Variables
  - Constructed Noise Wall (Presence/Absence = 1/0)
  - Noise Berm (Presence/Absence = 1/0)

## Preliminary Analysis Results

- 2 Hypotheses:

1. Property values should be higher for noise-mitigated residences than non-mitigated residences.
   - Why? - Due to the benefit of reducing noise levels.
2. Property values should be slightly higher for residences behind earthen mounds than for residences behind structural walls.
   - Why? - Due to the higher aesthetic value of the natural landscaped elements of earthen berms over structural walls.

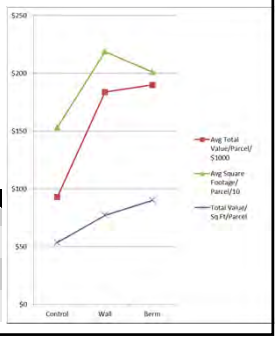
## Preliminary Analysis Results

- Combined Results
  1. Hedonic pricing method (multiple regression model) using all variables showed that neither hypothesis was true.
     - (1) Noise mitigation had a negative effect on property values.
     - (2) Property values were lower at earthen berms than noise walls.
     - Why? - the selected control, wall, and berm neighborhoods were not "good" comparisons
       - Appropriate sites were limited in availability - control, wall and berm sites in same school district on same road.
       - The most significant variables (P-values=0) were the age of the home, square footage of the home, and school district rating, and they all had the largest standard deviations:
         - Age = 40.161, Size = 688.275, and School District Rating = 10.102
         - All remaining SDs ≤ 1.320, average = 0.625
       - Therefore, the most influential variables are widely dispersed and may thus be affecting a "good" apples to apples comparison in the combined results model.
  2. Hedonic pricing method – Square Footage & Control/Wall/Berm only
     - Both hypotheses were true.

## Preliminary Analysis Results

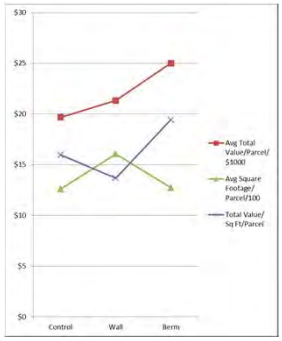
- Combined Results
  3. A simple analysis was performed, comparing average total value per sq foot.
     - Both hypotheses were true with this method.
     - Results were still slightly skewed – walls/berms had higher & uneven slopes but all lines still showed upward slope.

| | Control | Wall | Berm |
|---|---|---|---|
| Total Parcels | 153 | 562 | 516 |
| Avg Total Value/Parcel | $93,071 | $183,647 | $189,859 |
| Avg Sq Ft/Parcel | 1,531 | 2,186 | 2,011 |
| Total Value/ Sq Ft/Parcel | $53.39 | $77.18 | $90.06 |



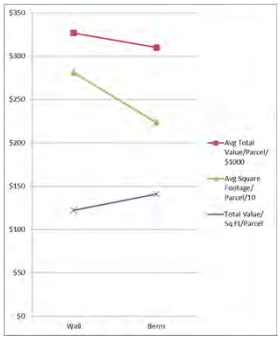

## Preliminary Analysis Results

- Study Area 1 – Canton/I-77
  1. Hedonic pricing method - 1 hypothesis was true and 1 was partially true.
     - (1) Earthen mounds had a positive effect on property values, but structural walls did not.
     - (2) Property values were higher at earthen berms than noise walls.
     - Why? - the selected control and berm neighborhoods were "good" comparisons between each other, but the noise wall site was not.
  2. The additional simple analysis showed that the noise wall homes were larger than the other sites, which could skew the results.



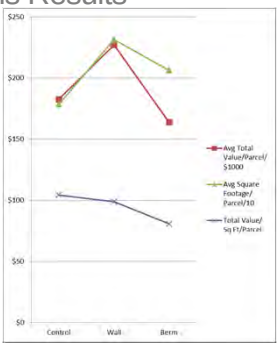
## Preliminary Analysis Results

- Study Area 2 – Orange Twp/I-71
  1. Hedonic pricing method showed that 1 hypothesis was untested and 1 was true.
     - (1) Noise mitigation effect on property values was untested due to no control sites analyzed.
     - (2) Property values were higher at earthen berms than noise walls.
     - Why? - the selected berm and wall neighborhoods were "good" comparisons between each other.
  2. The additional simple analysis showed that the noise wall and earthen berm homes were proportionally similar to each other.



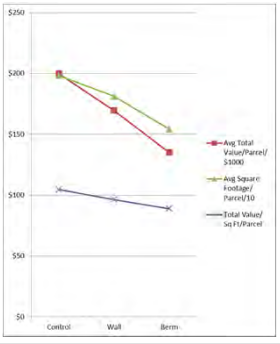

## Preliminary Analysis Results

- Study Area 3 – Grove City/I-71
  1. Hedonic pricing method showed that neither hypothesis was true.
     - (1) Earthen mounds had a negative effect on property values, walls had no effect.
     - (2) Property values were lower at earthen berms than noise walls.
     - Why? - the selected neighborhoods were not a "good" comparisons between each other.
  2. The additional simple analysis showed that the noise wall homes were larger and more expensive than the berm sites, which could skew the results.
  3. In addition, the 3 sites were built in different decades with different densities, styles, etc.



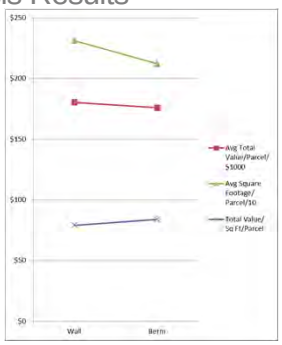

## Preliminary Analysis Results

- Study Area 4 – Hilliard/I-70
  1. Hedonic pricing method showed that neither hypothesis was true.
     - (1) Earthen mounds had a negative effect on property values, walls had no effect.
     - (2) Property values were lower at earthen berms than noise walls.
     - Why? - the selected neighborhoods were not a "good" comparisons between each other.
  2. The additional simple analysis showed that the noise wall homes were larger and more expensive than the berm sites, which could skew the results.
  3. In addition, the 3 sites were built in different decades with different densities, styles, etc. And the wall was poor quality until recently.



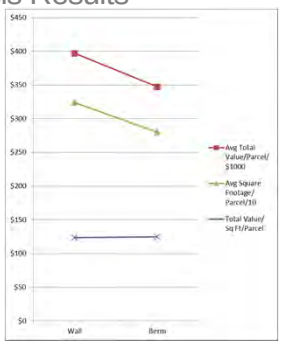
## Preliminary Analysis Results

- Study Area 5 – Centerville/I-675
  1. Hedonic pricing method showed that 1 hypothesis was untested and 1 was true.
     - (1) Noise mitigation effect on property values was untested due to no control sites analyzed.
     - (2) Property values were higher at earthen berms than noise walls.
     - Why? - the selected berm and wall neighborhoods were "good" comparisons between each other.
  2. The additional simple analysis showed that the noise wall and earthen berm homes were proportionally similar to each other.




## Preliminary Analysis Results

- Study Area 6 – Cincinnati/I-71
  1. Hedonic pricing method showed that 1 hypothesis was untested and 1 was true.
     - (1) Noise mitigation effect on property values was untested due to no control sites analyzed.
     - (2) Property values were slightly higher at earthen berms than noise walls.
     - Why? - the selected berm and wall neighborhoods were "good" comparisons between each other.
  2. The additional simple analysis showed that the earthen berm homes actually had a slightly higher value per square footage to the walls.




## Preliminary Analysis Results

- Preliminary Conclusions:
  1. Common sense indicates that both hypotheses should be true.
  2. The hedonic method models indicate that both hypotheses could be true, or not.
  3. The more variables that are included in the model and the more unique the neighborhood sites are from each other:
     - The less significant noise mitigation becomes.
     - The more skewed from the hypotheses the noise mitigation effects become.
  4. Additional variables that were not included in the model could also have significant influence, such as:
     - Quality of housing construction (newer homes), condition of housing (older homes), density, proximity to urban areas/jobs/amenities, noise levels, utilities, etc.

## Next Steps

- June 2017
  - Finalize analysis results
  - Draft report
- July 2017
  - Finalize and print report
  - TRB's Noise & Vibration Committee Conference presentation
  - Final presentation to ODC & Stakeholder Committee
  - Meet with communities to discuss results
- August 2017
  - Meet with communities to discuss results
  - Project complete, close out grant
- Later
  - Publication(s), presentation(s)
  - Further studies – additional variables, more sites, more similar site comparisons….?
  - Other implementation/uses of this study?

# Stakeholder Meeting #2 Notes

**Attendees:** Rick Stein, Kim Burton, Elvin Pinckney, and Noel Alcala

**Notes:**

- Question – are property values affected differently in 2-story neighborhoods with noise mitigation vs 1-story neighborhoods since noise mitigation is only designed for the first story of a residence?
- Variables – within a neighborhood, differences in variable values normalize, but between distinctly differently neighborhoods, the model results could be skewed.
- Earthen mounds – are more effective at mitigation noise, based on a previously completely research project for ODOT.
- BIA – involved the BIA in the outreach efforts could be a good way to get input from multiple developers.
- Developers – in general, they are typically trying to maximize profit in the short-term based on repeating past building practices; however, some developers do think longer-term and bigger picture.
- Open space – donating land toward earthen mounds could/should count toward open space requirements.
- Rural vs. suburban vs. urban living/setting – can strongly affect how home features are valued. This was not a variable that was included in the model for this project.
- School districts – may be overvalued as a significant variable in Ohio, especially considering presence/absence of school-aged children in neighborhoods.
- Visual preference surveys – could help determine noise mitigation preference. ODOT already sends out surveys for noise walls, is considering adding information about earthen mounds. This would help account for the more 'subjective' variables in property values.
- Housing markets – vary region to region, and year to year. There can be a lot of irrational/subjective decision-making in home buying.
- Future studies – sites – more sites should be selected that are more similar to each other, expanding outside of school districts.
- Future studies – variables – additional and/or different variables should be considered that may have a stronger (and more consistent) effect on property values, such as type of development, condition of houses/neighborhood, quality of construction, roadway type, noise levels.
- Future studies – noise level variable – a noise level threshold should be set (such as 55 dBA+) for house selection; or thresholds (55 dBA+, 65 dBA+, 75 dBA+), since the presence and amount of noise can strongly influence property values.

City of New Albany Meeting, 8/18/17
Adrienne Joly, Deputy Director of Community Development, Stephen Mayer, Community Development Planner, Community Development Department

Reviewed results of the study

To implement some type of noise requirement, the City would need a quantitative ordinance; right now there is only a qualitative ordinance in place.

Potential businesses are interested in if a City has noise regulations.

Interested in learning more about earthen mound specs. That could really be helpful.

Small height berms sound very interesting.

A noise fact sheet on noise fundamentals and mitigation would be helpful.

A lot of the city's noise concerns are related to different land uses adjacent to each other – commercial affecting adjacent residential

Two established neighborhoods currently experiencing noise issues would be Hampstead and Windsor. A Rocky Fork member lives in Hampstead and a Council member lives in Windsor.

There are already mounds in some areas.

The city already has some site design regs for mounds for aesthetics/landscaping reasons

To incentive, mounds should count toward open space requirement.

City currently has 6-1 slope requirement on public side of earthen mounds.

There are 4 main obstacles to developers building earthen mounds for new developments:

1. The City does not have any regulations requiring noise mitigation
2. Adds cost and time to construction
3. Takes up room that could be developed
4. Development not as visible from the roadway by passersby, so reduced "marketing"

Need to first develop noise contours on existing and future roads, tied to ADT. You're not going to get developers to perform noise analyses, but they will perform traffic studies (plus there is a lot of available traffic data on major roadways.). You can't just require earthen mounds, you have to first set up a regulation requiring consideration of noise mitigation if ADT/distance/land use thresholds are met.

City of Columbus Meeting, 8/22/17
Met with Kevin Wheeler, Planning Administrator, Department of Development, Planning Division

Discussed noise fundamentals and noise mitigation.

Interested in learning/more information on noise fundamentals.

Interested in learning more about how to determine what is loud and what is not based on where the houses are, the road, traffic volumes and speed, terrain.

Will need to convince a lot of communities that they should care about noise as an issue and as something to address – there are already so many things that the City has to require of developers that it's challenging to validate adding another one.

Better to incentivize than regulate – carrot vs. stick

Would like to understand the difference in noise mitigation techniques in urban vs suburban areas

Urban mitigation – more along the lines of traffic calming, construction materials, insulation, windows

Interested in the topic and would like to know more, continue the conversation

Primary goal of the City is natural resource conservation and then "useable" open space. Although mounds could be consider open space, they aren't really useable by people. So the approach of integrating earthen mounds into development should focus more on natural resource conservation – planting trees, wildlife habitat.

# APPENDIX E
## Final Presentation

# PROPERTY VALUATION COMPARISON OF NOISE-MITIGATED RESIDENCES

Ohio Department Of Commerce | Division Of Real Estate & Professional Licensing

Ohio Real Estate Commission, Final Presentation

September 6, 2017

Presenter:
Kimberly Burton, P.E., AICP CTP, LEED AP ND
Associate Professor of Practice, The Ohio State University

# Introduction

- Kimberly Burton
  - P.E., AICP CTP, LEED AP ND
  - Associate Professor of Practice at The Ohio State University in City & Regional Planning

- Research Project
  - Property Valuation Comparison of Noise-Mitigated Residences
  - Awarded grant last summer to study property values of residences behind noise barriers
  - Determine differences between structural walls and earthen mounds
  - Influence zoning and development regulations

# Problem Statement

- Structural noise walls are more costly to construct and maintain than earthen mounds, but earthen mounds require more space (land).
- The objective is to determine if property values are higher for residences located behind earthen berms or behind structural noise barriers – or if there is no measurable difference.
- Results could help state DOTs and communities prioritize the type of noise mitigation that is better for property values.

# Hypotheses

1. Property values should be higher for noise-mitigated residences than non-mitigated residences.
   - Why? - Due to the benefit of reducing noise levels.

2. Property values should be slightly higher for residences behind earthen mounds than for residences behind structural walls.
   - Why? - Due to the higher aesthetic value of the natural landscaped elements of earthen berms over structural walls.

# Process

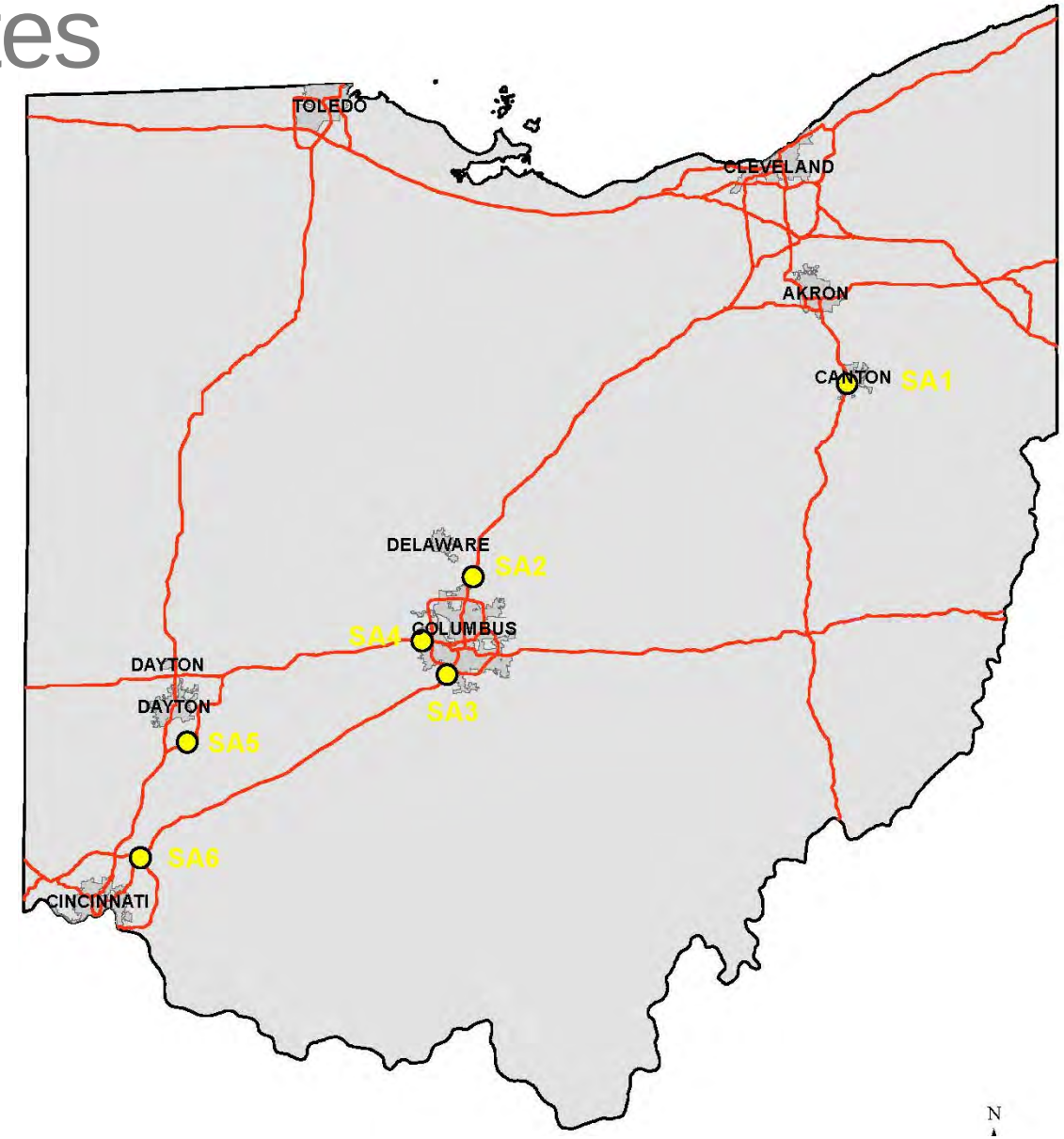
- Step 1: Project Kickoff, Identify Stakeholders
- Step 2: Data Collection, Literature Search
- Step 3: Model Variables & Structure
- Step 4: Stakeholder Meeting #1
- Step 5: Populate Spreadsheet Model & Run Model
- Step 6: Analyze Model Results
- Step 7: Stakeholder Meeting #2
- Step 8: Prepare Report
- Step 9: ODC & Community Meetings/Presentations
- Step 10: Finalize Report

# Literature Review Results

- The literature review identified previous research related to traffic noise impacts on property values:
  - Traffic noise has typically had negative impacts to single-family homes property values.
  - Hedonic pricing method is the common method used to conduct property value analyses.
  - Previous research has focused on the effect of different noise levels and locations on property values.
  - No studies were identified that compared the effect of different mitigation techniques on property values.

# Study Area Sites

- 1 – Canton/I-77
- 2 – Orange Twp/I-71
- 3 – Grove City/I-71
- 4 – Hilliard/I-70
- 5 – Centerville/I-675
- 6 – Cincinnati/I-71



# Selected Variables

- Dependent Variables
  - Building Value + Land Value = Total Value ($)
- Physical Variables
  - Lot Size (Acres)
  - Building Size (Sq Ft)
  - Total Rooms, Bedrooms (#s)
  - Half Baths/2 + Full Baths = Total Baths (#)
  - Building Stories (#)
  - Basement, Garage (Presence/Absence = 1/0)
  - Current Year (2016) - Year Built = Age of Home (Years)
- Location Variables
  - School District (Rating)
  - Neighborhood Median Income, Percent Vacant, Unemployment Rate, Percent Minority ($, %)
- Environmental Variables
  - Constructed Noise Wall (Presence/Absence = 1/0)
  - Noise Berm (Presence/Absence = 1/0)



# Analysis Results

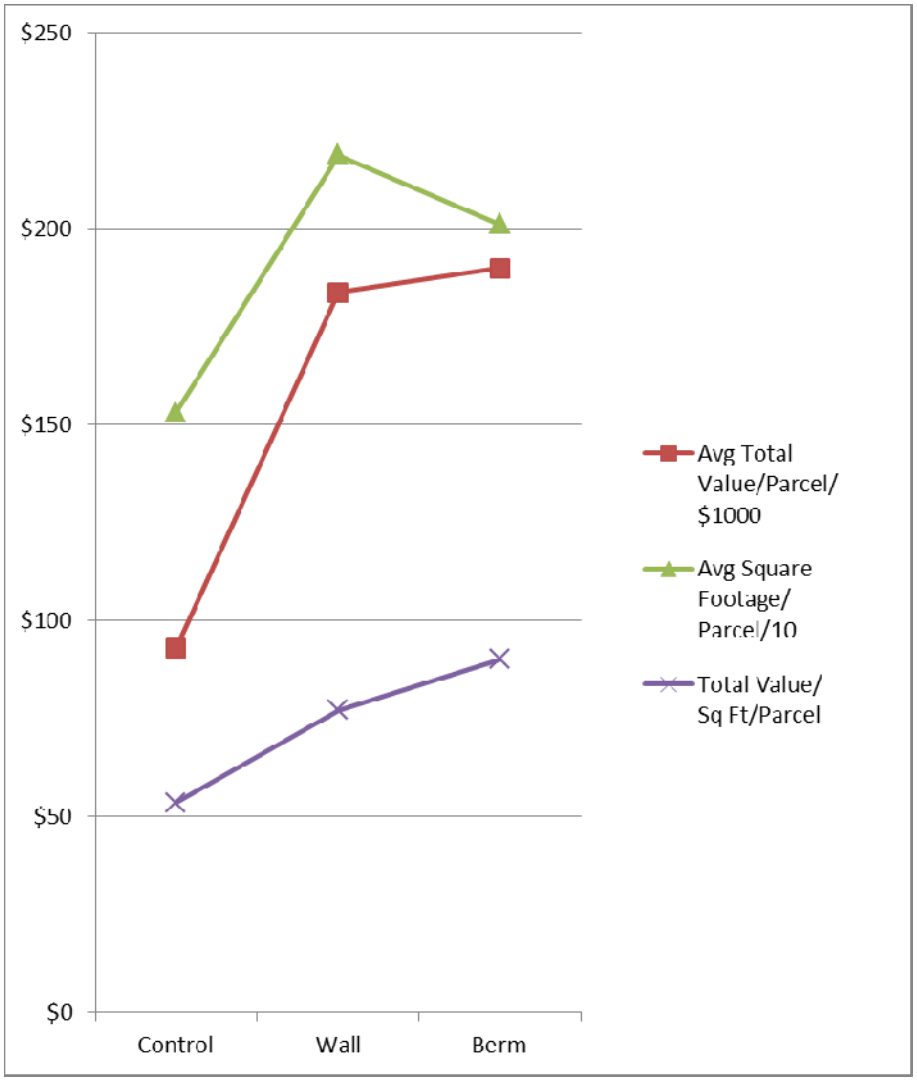
1. Hedonic pricing method (multiple regression model) – **using all variables**
   - Neither hypothesis was true.
   - (1) Noise mitigation had a negative effect on property values.
   - (2) Property values were lower at earthen berms than noise walls.
   - Why? - selected neighborhoods were not "good" comparisons:
     - Appropriate sites were limited in availability - control, wall and berm sites in same school district on same road.
     - Most significant variables (age, size, school district rating) had largest standard deviations.
2. Hedonic pricing method – **only square footage & noise mitigation variables**
   - Both hypotheses were true.
   - Property values were higher for noise-mitigated residences than non-mitigated.
   - Property values were higher for residences behind earthen mounds than for structural walls.

# Analysis Results

3. Additional simple analysis – compared average total value per square foot.

- Both hypotheses were true with this method.
- Results were still slightly skewed – walls/berms had higher & uneven slopes but all lines still showed upward slope.

| | Control | Wall | Berm |
|---|---|---|---|
| Total Parcels | 153 | 562 | 516 |
| Avg Total Value/Parcel | $93,071 | $183,647 | $189,859 |
| Avg Sq Ft/Parcel | 1,531 | 2,186 | 2,011 |
| Total Value/ Sq Ft/Parcel | $60.79 | $83.99 | $94.39 |



# Analysis Results

- Example Scenario: 2,000 sq ft house along highway
- Avg House Cost Comparison:
  - $122,000 – no mitigation
  - $168,000 – structural wall
  - $189,000 – earthen berm
- Avg Mitigation Initial Cost Comparison (Const & ROW):
  - $0 – no mitigation
  - $250,000 – 10 ft x 1,000 ft structural wall
  - $50,000 – 9 ft x 1,000 ft earthen berm
- House Equivalency
  - None vs Berm: $67,000 > $50,000 for 1 house

# Conclusions

1. Common sense indicates that both hypotheses should be true, but the results varied.
   - Models indicated that both hypotheses could be true – or not true.
2. The more variables that are included in the model and the more unique the neighborhood sites are from each other:
   - The less significant noise mitigation becomes.
   - The more skewed the noise mitigation effects become (from the hypotheses).
3. However, analyzing full data set for minimum variables – both hypotheses were true.



# Conclusions

4. Additional variables were identified that could have significant influence on property values, which could be added in future research studies.
5. State government - spend less funding on structural noise walls, save money over time.
6. Communities - changes to codes/regulations, improve residents' quality of life and livability, decrease turnover, and increase property values.
7. Benefits could be realized by minimizing the detrimental effects of traffic noise on residences by constructing earthen mounds as part of residential development.



# Next Steps

- **Additional Research** – perform additional studies to refine models with different variables and additional sites.

- **Implementation** - additional collaboration between government officials.  First steps:
  - State government - provide noise contour information on all highways in the state, for use by local municipalities.
  - State government - provide fact sheets on traffic noise fundamentals, noise mitigation, and earthen berm design for use by local municipalities.
  - Local municipalities - develop quantitative noise ordinances from the noise contours and fact sheets, and enforce them via zoning codes and/or development regulations that either require or encourage/incentivize noise mitigation in the form of earthen berms.




## Thank You!

Ohio Real Estate Commission

Joshua Kubitza, GRA

Stakeholders:

- Noel Alcala, Ohio Department of Transportation
- Adam Alexander, Federal Highway Administration
- Devin Carothers, Kaufman Development
- Kerstin Carr, MORPC
- Jana Hrdinova, The Ohio State University
- Adrienne Joly, City of New Albany
- Cynthia Jones, Ohio Department of Transportation
- Stephen Mayer, City of New Albany
- Christina O'Keefe, MORPC
- Mary Oakley, Ohio Development Services Administration
- Anne Petit, Ohio Department of Commerce
- Elvin Pinckney, ODOT (Retired)
- Mike Pione, Steiner Development
- Robert Priestas, City of Gahanna
- Kyle Rauch, City of Grove City
- Scott Sanders, Delaware County Regional Planning Commission
- Kimberly Shields, City of Grove City
- Rick Stein, Urban Decision Group
- Gerald Tout, Martin-Wood Appraisal
- Thea Walsh, MORPC
- Kevin Wheeler, City of Columbus
- Matt Wolfe, West Erie Realty