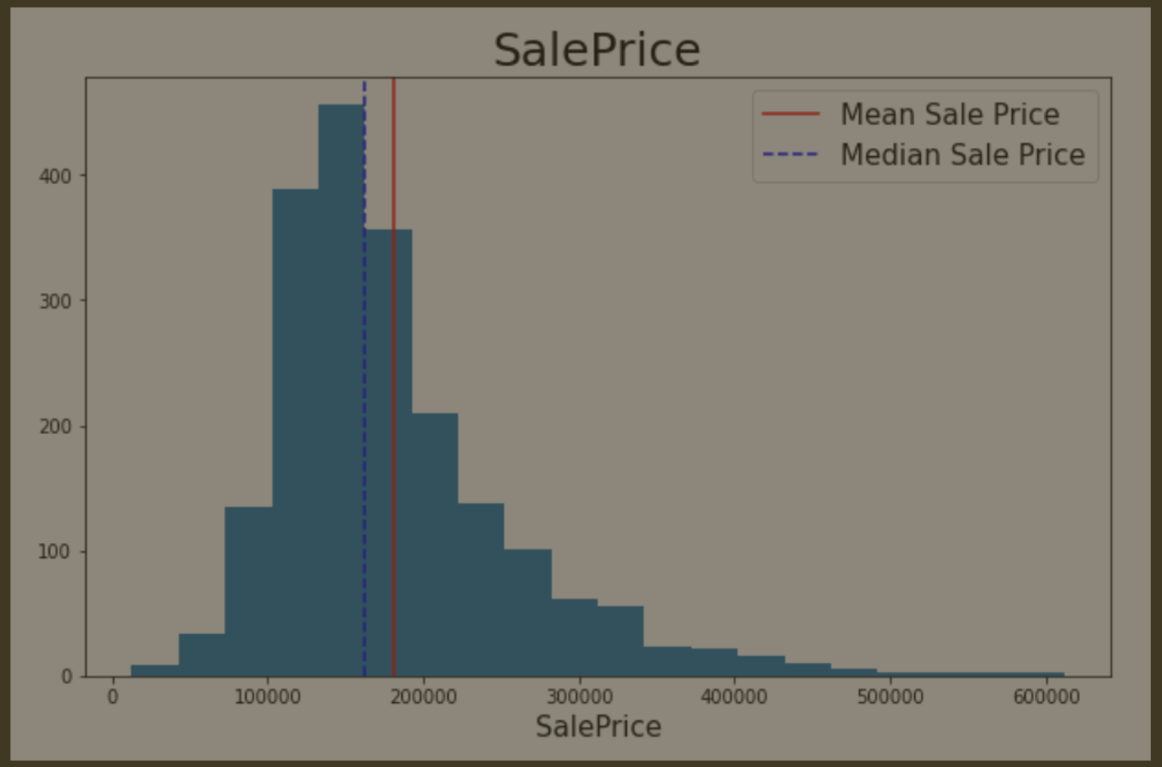
# How Much Do The Neighborhoods Cost That Have the Features You Want?

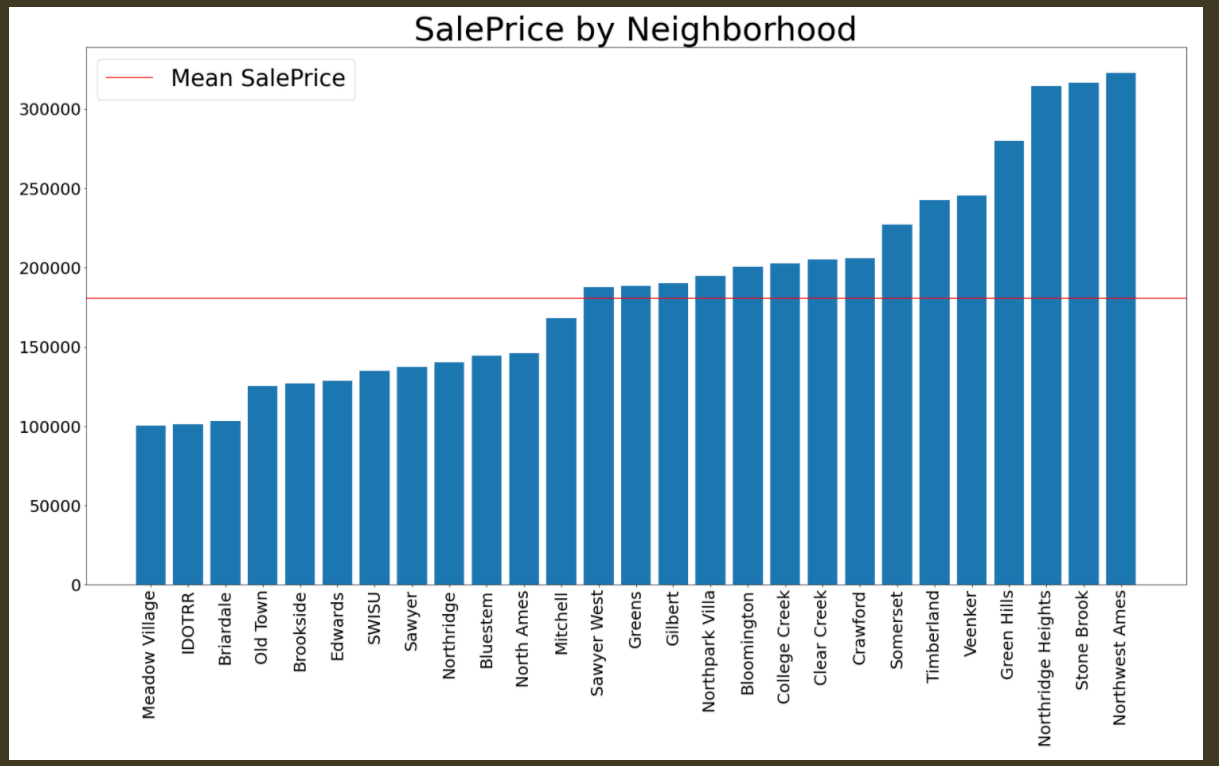
Based on your choices, we can present to you the neighborhoods that are most likely to have the features you want, and the potential price for the neighborhood.

# The Jones Family

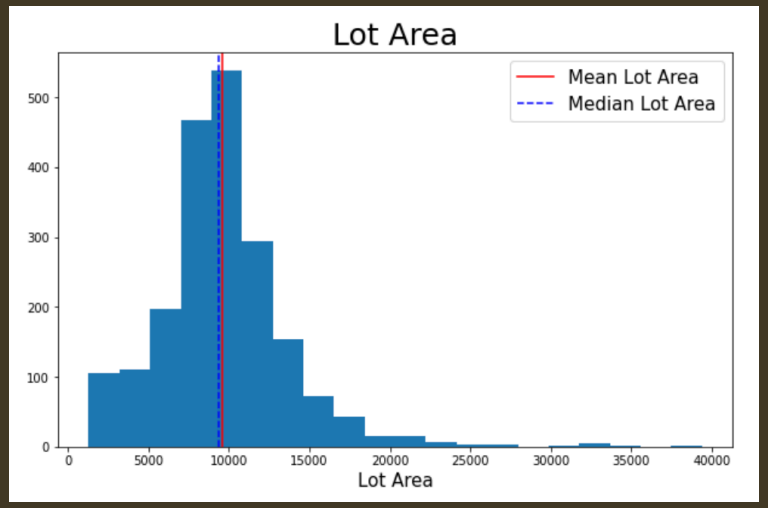
- Family of:
  - Two Adults
  - 2 Children
  - 1 Dog
  - Key features:
    - Large land area
    - Large Square Footage
    - At-least 3 Bedrooms

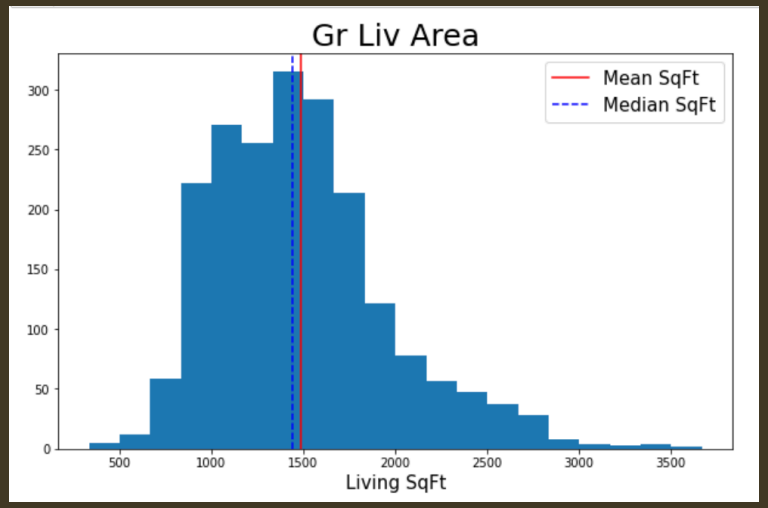
# What is the Market Like as a Whole?

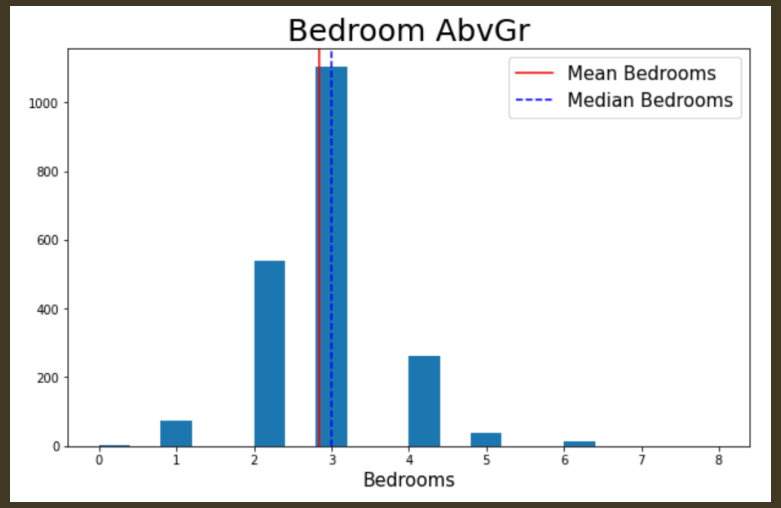


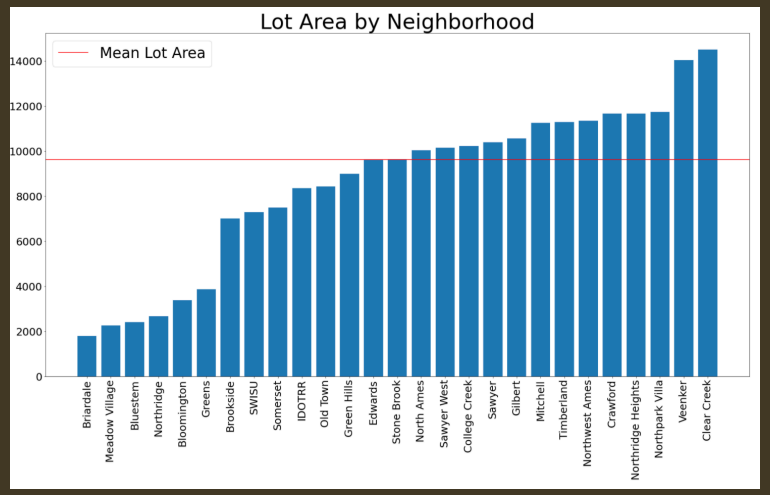



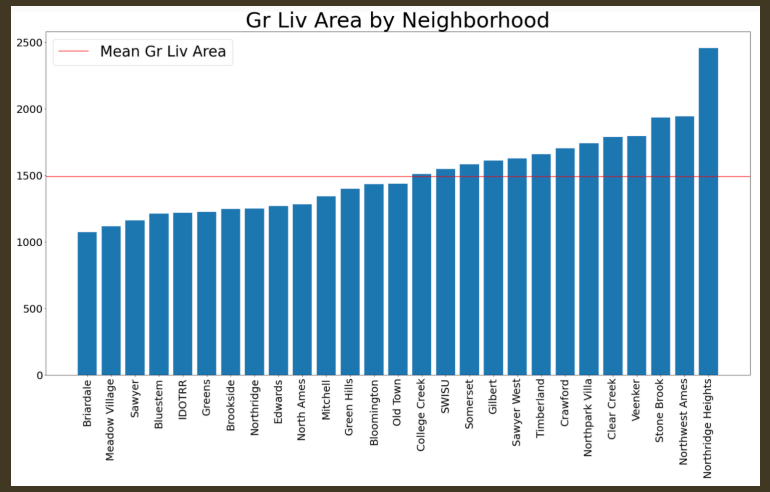
# What is the Market Like as a Whole?

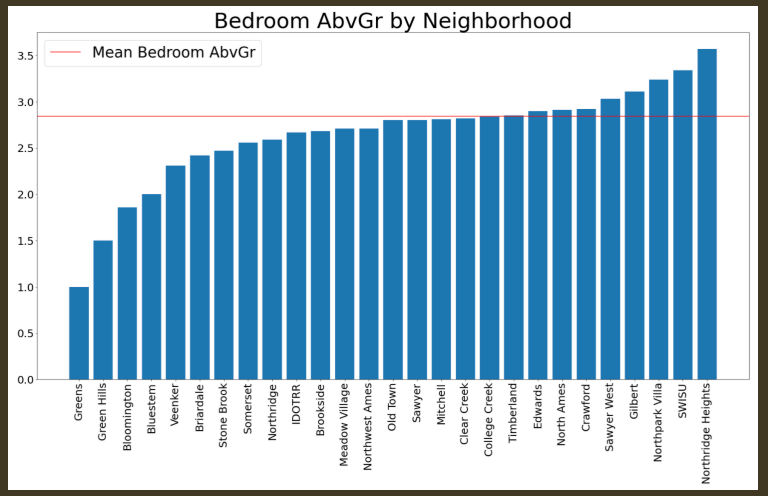




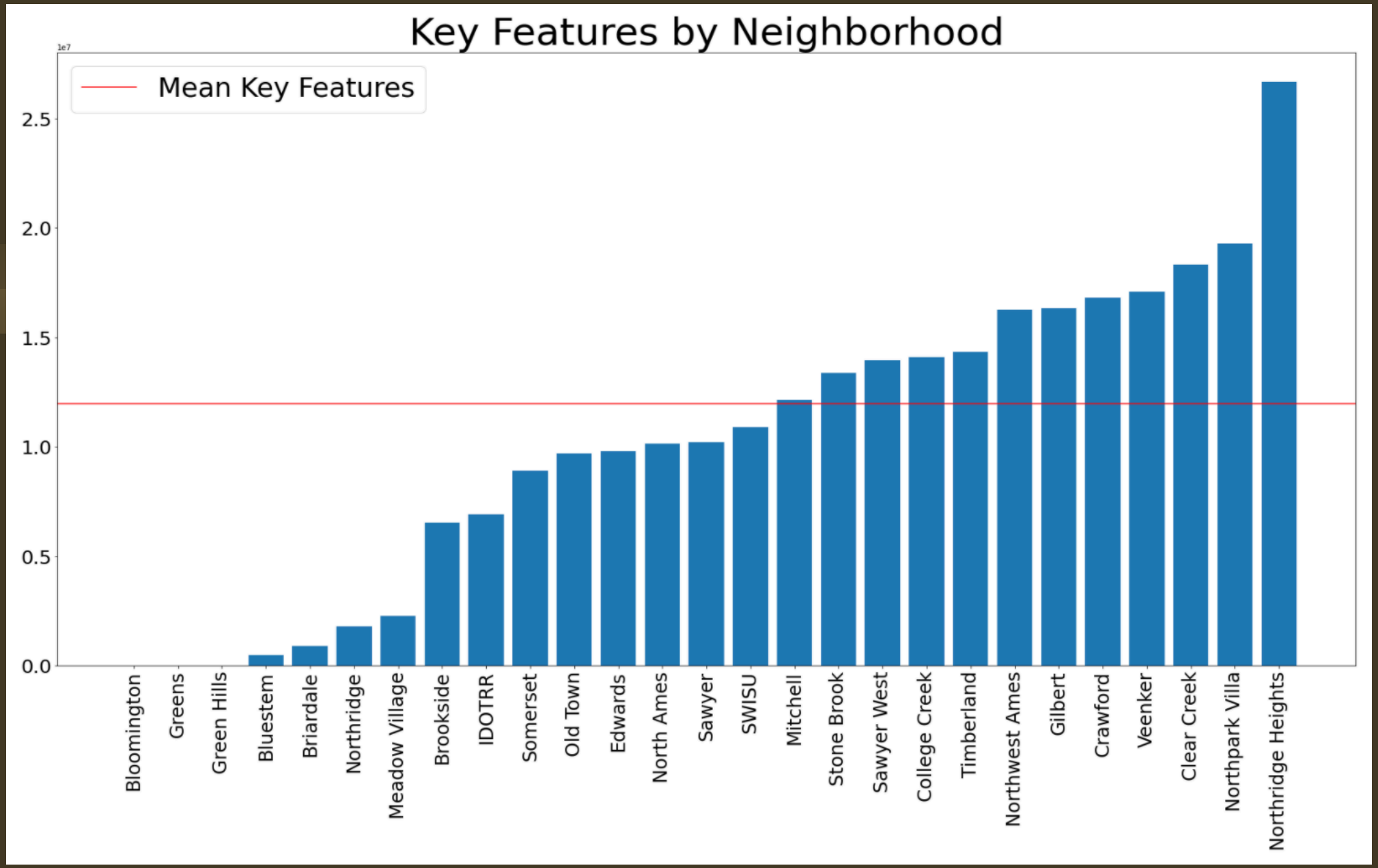



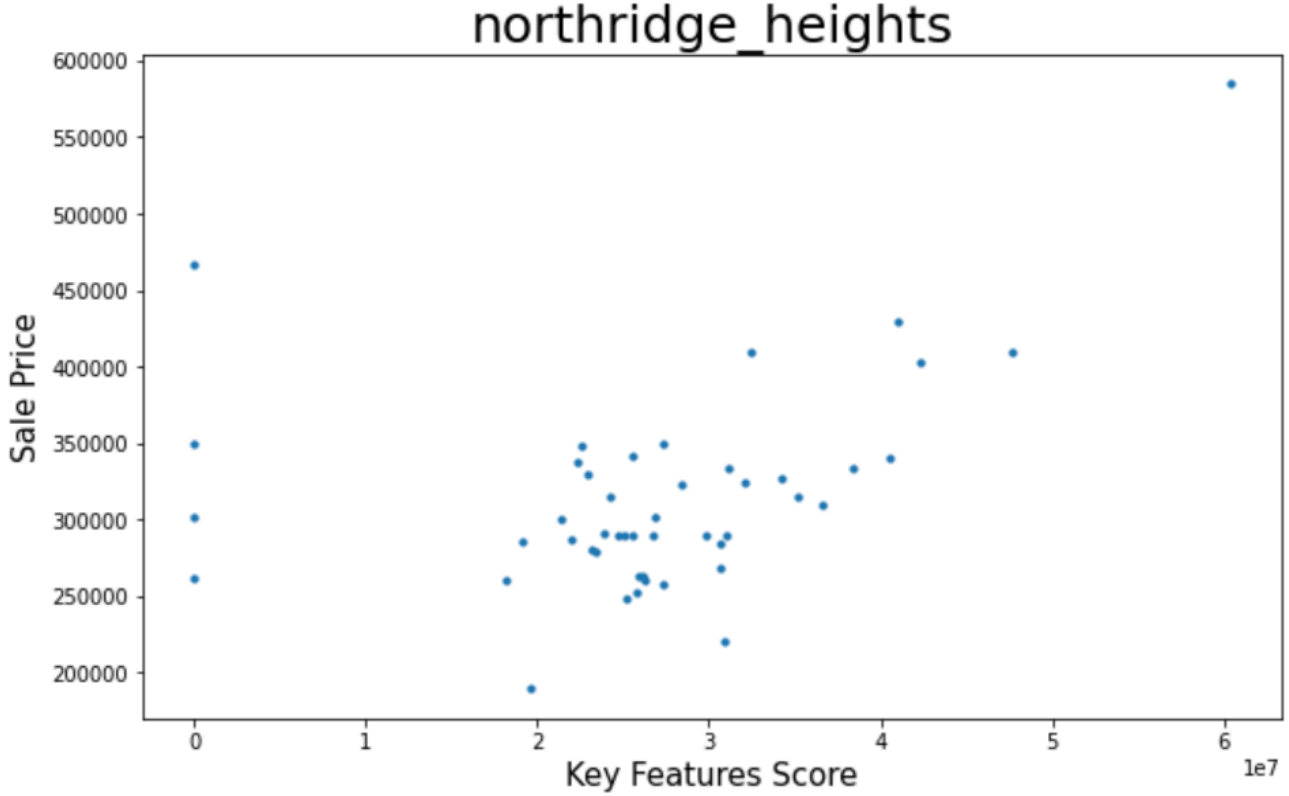



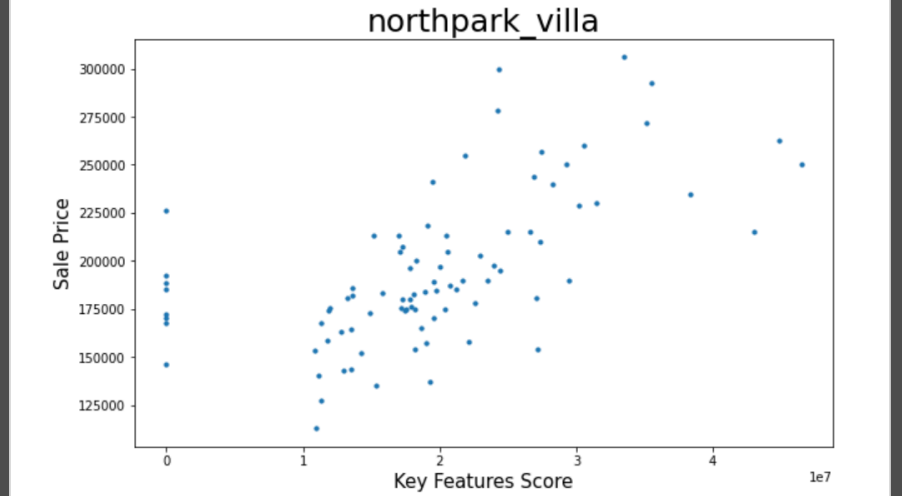

# Presented are the three features plotted by the average per neighborhood.

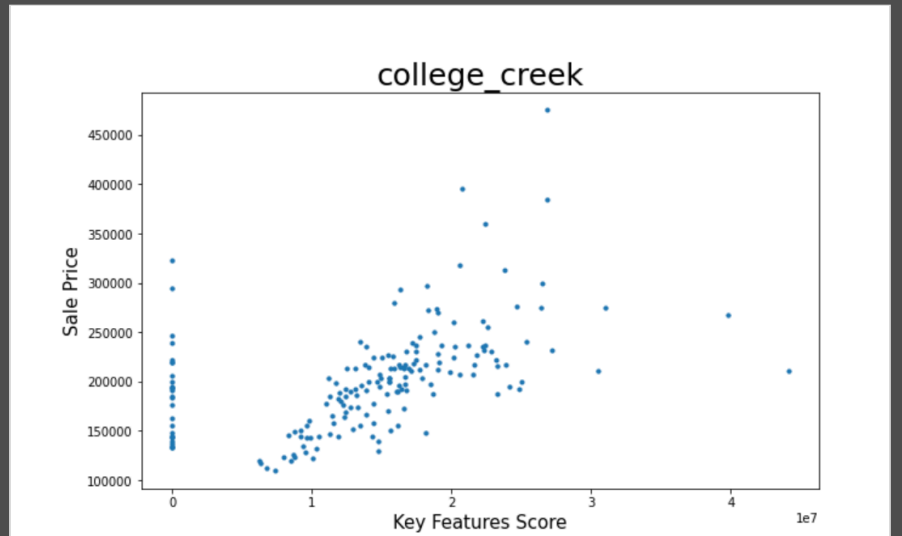
# Key Feature Score

- To make it more easily understandable how the neighborhoods ranked based on the key features, I combined the three features into one feature. This feature is called “Key Features” score. On the following slide I have presented the rankings of neighborhoods based on this Key Feature Score.


Key Features by Neighborhood
1e7
Mean Key Features
2.5
2.0
1.5
1.0
0.5
0.0
Bloomington
Greens
Green Hills
Bluestem
Briardale
Northridge
Meadow Village
Brookside
IDOTRR
Somerset
Old Town
Edwards
North Ames
Sawyer
SWISU
Mitchell
Stone Brook
Sawyer West
College Creek
Timberland
Northwest Ames
Gilbert
Crawford
Veenker
Clear Creek
Northpark Villa
Northridge Heights


northridge_heights
Sale Price
600000
550000
500000
450000
400000
350000
300000
250000
200000
0
1
2
3
4
5
6
1e7
Key Features Score


northpark_villa
Sale Price
300000
275000
250000
225000
200000
175000
150000
125000
0
1
2
3
4
1e7
Key Features Score


college_creek
Sale Price
450000
400000
350000
300000
250000
200000
150000
100000
0
1
2
3
4
1e7
Key Features Score

# What will the Model Predict

Ultimately our model will produce a likely neighborhood and the associated mean price for the client based on the three features they provide to us. In the case of this client our model will infer that Northridge Heights is most likely the best fit, when we do not adjust for outliers, and present the mean price for the neighborhood.