

## Data Explorer 01

Predicted house value: \$566,944

First, I took a subset of the data based on the type of the home in question, i.e. single-family. Looking at the square feet in these houses, however, I determined that they were much smaller than the house on Leavitt; applying a filter on the 'type of home' category seemed not to be a good way to capture the price of the house. I then took another subset for all houses over 3,000 square feet, and searched for variables that seemed to have the highest correlation to price. Producing a scatter plot for each column vs. price helped me to identify MilesToLake as the strongest predictor of price. I further narrowed my data range by taking a subset of houses that were 3.8 or more miles away from the lake, which led me, so to speak, to 2116 Potomac Ave., which possessed characteristics very similar to the Leavitt street house. After calculating the price/square foot of this house, I multiplied it by the difference in the size of the two houses, and subtracted that amount from the price of 2116 Potomac. With this computation, I arrived at the predicated value.

Since this assessment relied mostly on luck and intuition, I'm not totally confident in this answer, but it seems reasonable based on the data set.