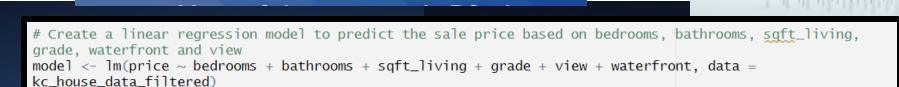
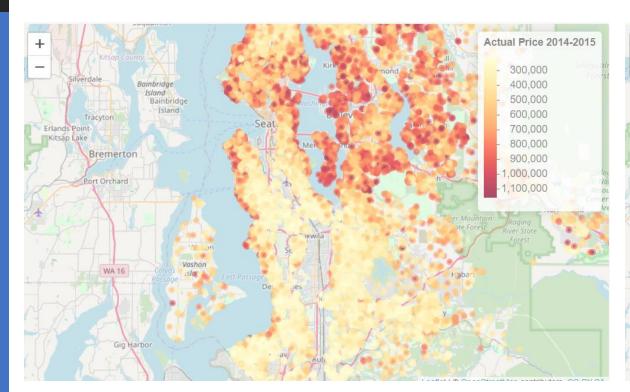
Linear Regression Model

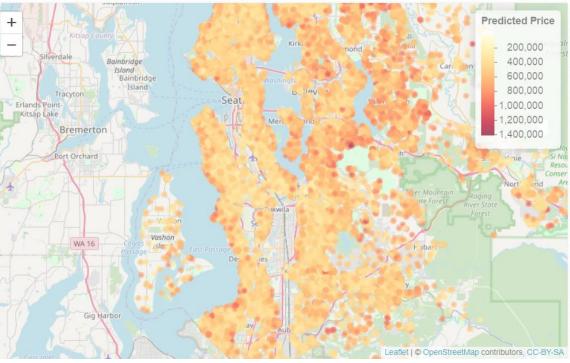




Comparison of King County Predicted Prices vs Actual Prices







King County Price Model Accuracy:

72.84% accuracy









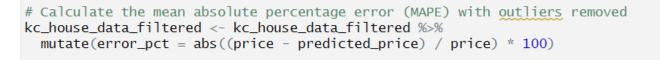












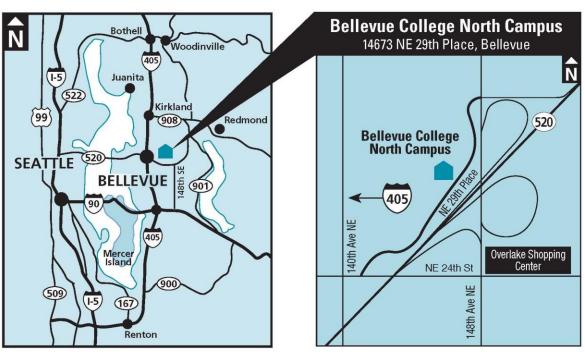








Testing Our Model: House Price Prediction Near Bellevue College





```
# Set the coordinates of Bellevue College
lat_bc <- 47.5852
long_bc <- -122.1479

# Filter the data to include only properties within 1 km of Bellevue College
near_bc <- kc_house_data_filtered %>%
filter((abs(lat - lat_bc) < 0.009) & (abs(long - long_bc) < 0.009))</pre>
```

Actual Price vs Predicted Price Example with Small Percentage of Error



\$1,282,559

Redfin Estimate

3

Beds

2

Baths

1,660

Sq Ft

2014 Actual Price: \$490,000

2014 Predicted Price: \$491538.90

Percentage Error = 0.314%

Off Market

This home last sold for \$490,000 on Nov 20, 2014.