

Real Estate Analysis: First-Time Home Buyers

...

Caleb Elgut - July 2020

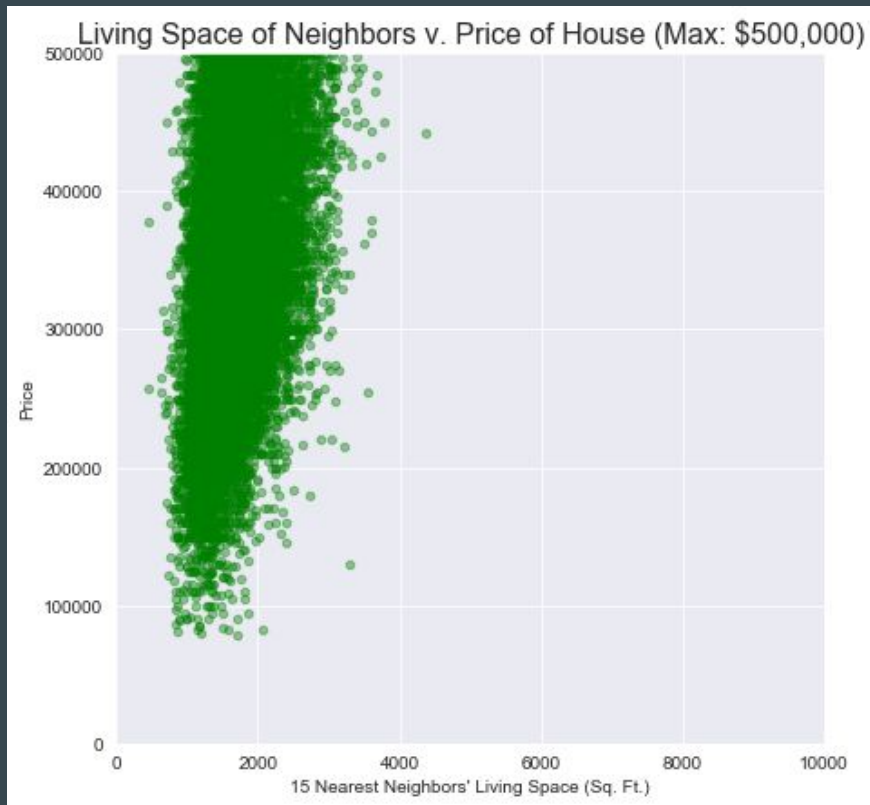
Introduction

- Visualizations powered by statistical models
- Observations fruitful for First-Time Home Buyers
- Data Source: Kaggle.
 - It includes homes in King County, WA sold between May 2014 and May 2015.
 - 21,000+
 - Includes 21 features
 - Square Feet, Square Feet of Neighbors, Waterfront, etc.
- OUR GOAL:
 - Advice on features that will help best predict price.
 - We capped our price suggestions to \$500,000 since our buyers are first-time and the median household income for those in King County is \$95,000

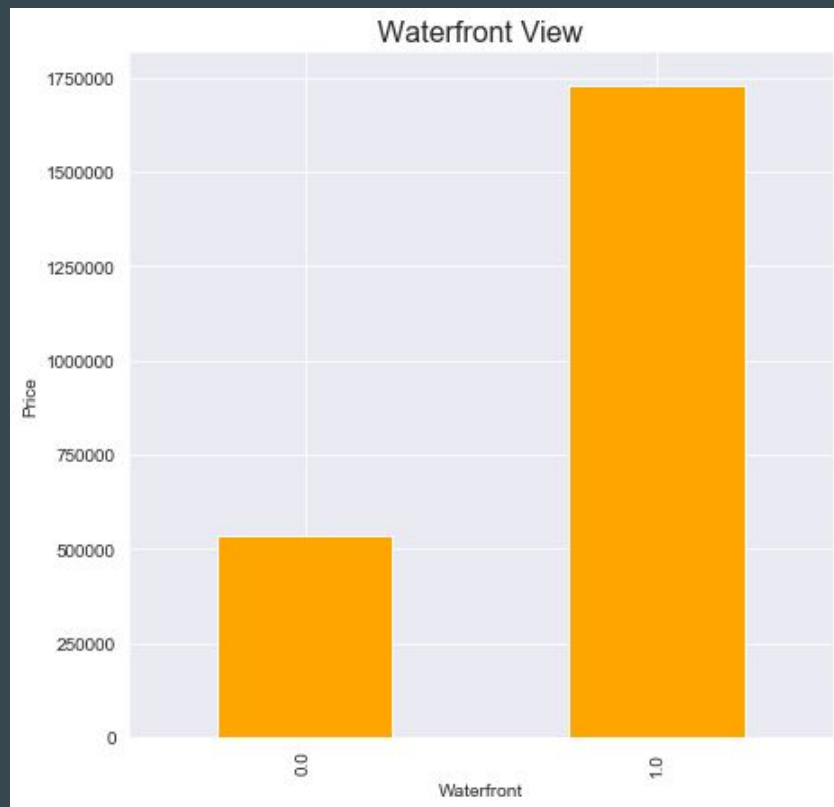
Q1: If we have a maximum budget of \$500,000, what size of home should we consider?



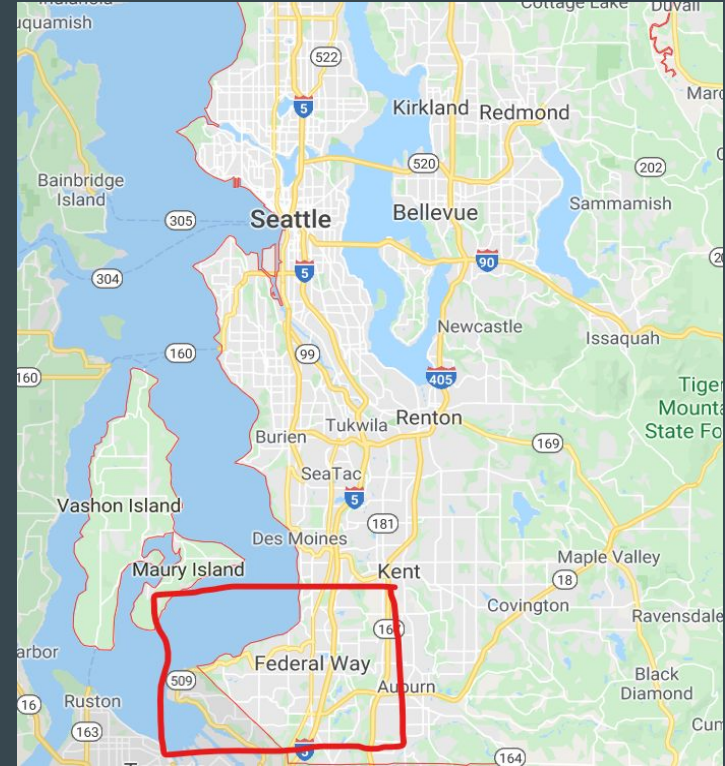
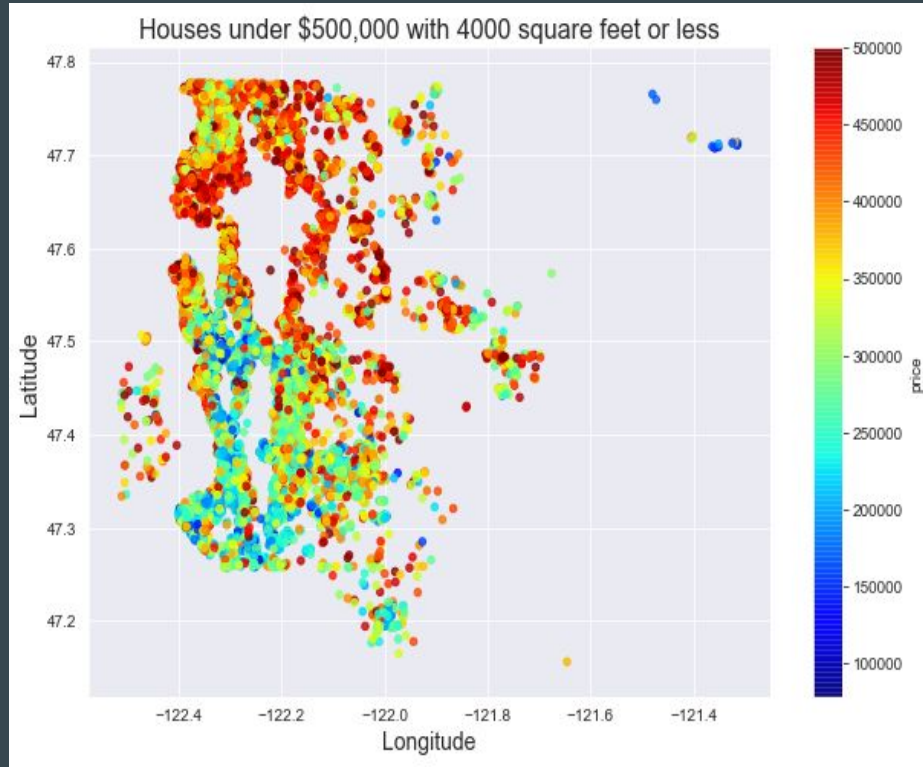
Q2: What about the size of our neighbors' houses?



QUESTION 3: Waterfront?



Q4: Is there a portion of Kings County that would be best to move into with a budget of \$500,000?



Findings

1. The square feet you should be looking for with a max price of \$500,000 is around 3000, although there are a few 4000 sq. ft. houses available
2. The square feet of those living nearby you with a maximum budget of \$500,000 will be between 1000 and 3000 square feet.
3. Probably best to avoid the waterfront, for now.
4. If you are trying to be frugal, it would be best to look in the southwest of King County, particularly around Federal Way (Zip Codes: 98001, 98003, 98023, 98063, 98093)

Further Research

1. School Data
2. Park Data
3. Proximity to Tech Campuses

THANK YOU!