

- Scenario Information: Family looking for a house in the Seattle Area. They would like to be as close to Seattle as possible and are concerned about which towns would give them the most square footage for the best price.
- Data Overview
 - The real estate markets of Washington state present an interesting opportunity for data analysts to analyze and predict where property prices are moving towards. Prediction of property prices is becoming increasingly important and beneficial. Property prices are a good indicator of both the overall market condition and the economic health of a country. Considering the data provided, we are wrangling a large set of property sales records stored in an unknown format and with unknown data quality issues
- What cities would be most expensive to live in?
 - This graph shows the top 10 cities with the highest median prices for houses
 - Includes cities such as Medina, Yarrow Point, and Clyde Hill which are close to Seattle but may have more overpriced homes.
 - The other cities on this list are also expensive but it is possible that it may be worth it to invest in properties if other factors such as proximity to the city and sqft are optimal.
- What cities have the highest quality homes?
 - This graph shows the median prices of the homes in cities and is filtered to only show cities with 5 star ratings.
 - A lot of the cities that showed up in the previous visual are predictably also the homes with the highest quality homes. Which could indicate to the family that spending a little more on their home could be a better long term investment as there is likely going to be less maintenance or renovation needed on these properties.
- What cities have the highest median sqft?
 - This graph shows the top 10 cities with the highest sqft
 - Again we see cities like Medina and Yarrow Point with high sqft which can account for the higher median prices.
 - Mercer Island is also on this list which, although is still within the cities with the highest medians, is still cheaper than our original top 3.
- What is the median cost per sqft for these cities?
 - This plot shows the median cost divided by median sqft filtered by the top 20 cities.
 - Medina, Yarrow Point, and Clyde Hill again show up as the cities with the highest median cost per sqft which is to be predicted.
 - However, some of the cities below these top 3 such as Mercer Island and Bellevue also have a high sqft but, when referring to the first visual, are much more affordable. We will keep an eye on these cities.
- Where are these cities in comparison to Seattle?
 - This is a map of the cities in our dataset, labeled with the median cost of houses of each city.

- We were interested in Bellevue and Mercer Island but, Bellevue is not showing up as being within a reasonable distance of Seattle which eliminates it as an option.
- Mercer Island is very close, has a good amount of sqft, and it's median cost is many thousands less than Medina, Yarrow Point, and Clyde Hill. The family will likely start looking at listings around this area.