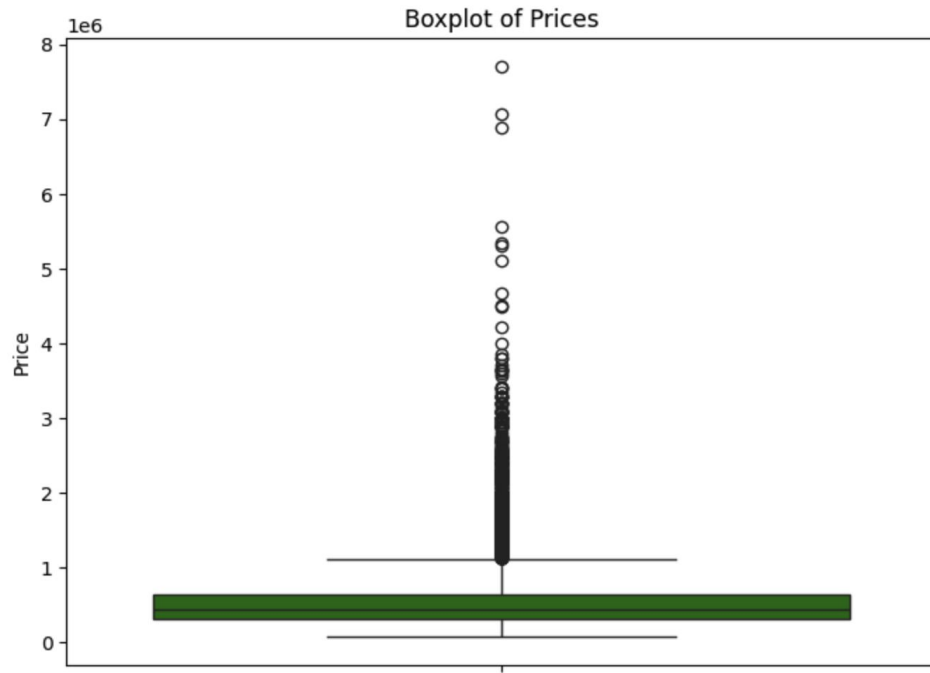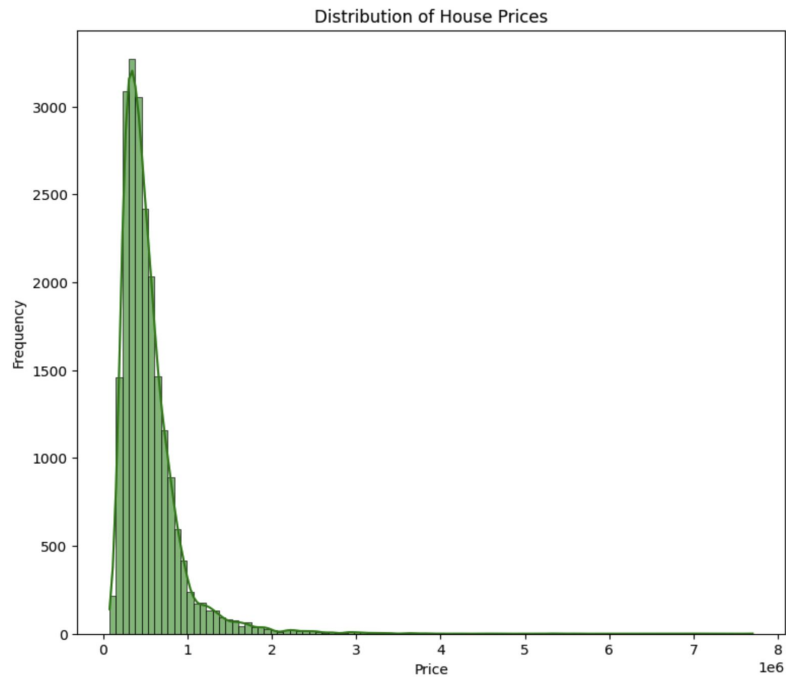# Exploratory Data Analysis: Housing Sales in King County, Washington
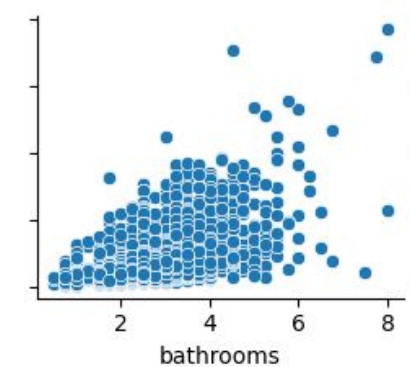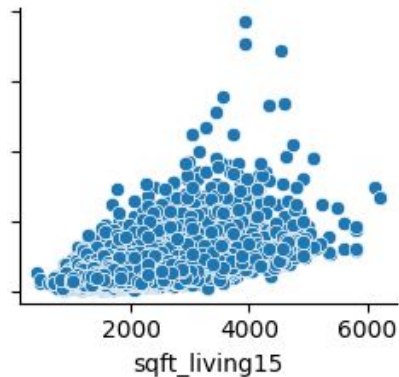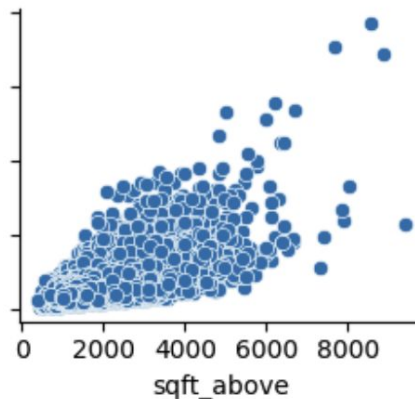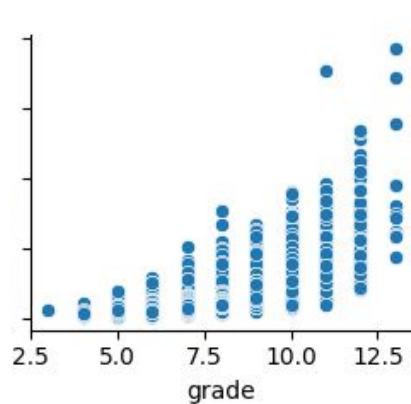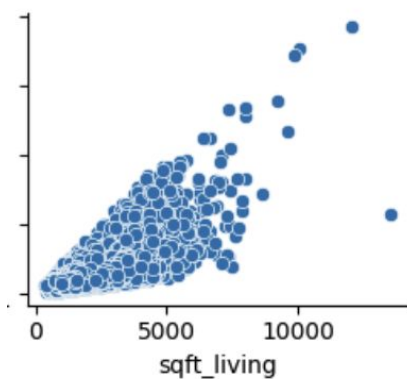
The Tasks

1. Through EDA/statistical analysis above please come up with AT LEAST 3 insights regarding the overall data. One should be geographical.

2. In addition also come up with AT LEAST 3 recommendations for your client Jennifer Montgomery.

Distribution of House Prices

The factors influencing house prices

Living Area and Lot Size in the Proximity
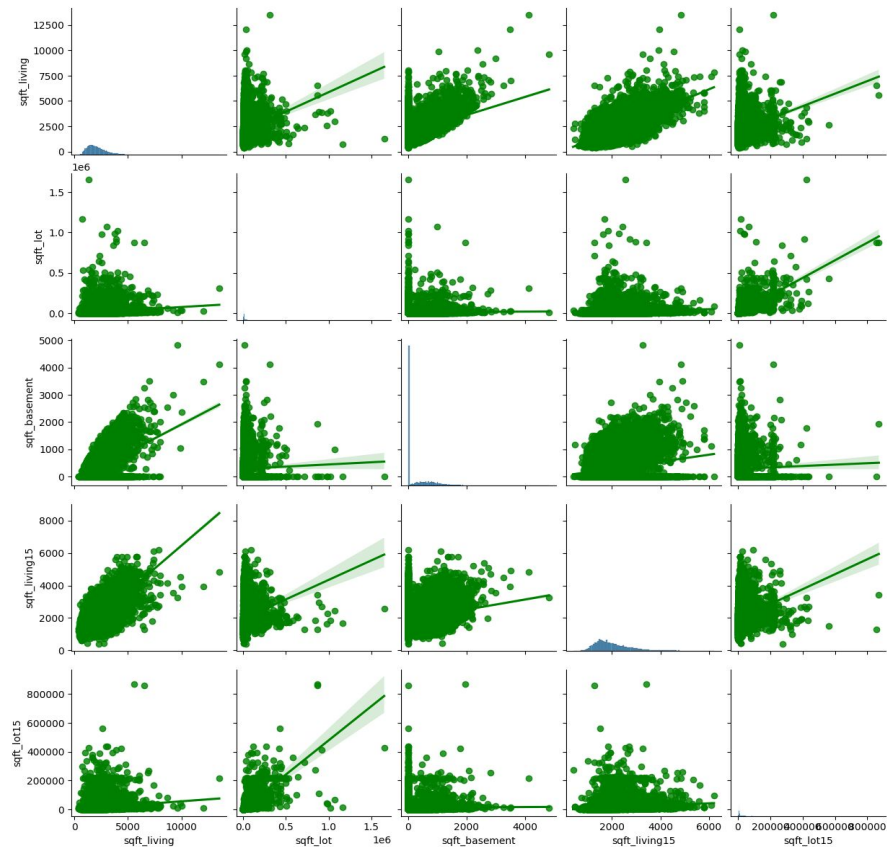
Recommendations for my Client

Here are some key fact about Jennifer Montgomery:

* She is a Buyer

* High budget

* wants to show off

* timing within a month (needs a house in a good condition where no renovation is needed)

* waterfront

* renovated

* high grades (grades of 10, 11, 12, 13)

* resell within 1 year (looked at the prices of houses which are resold in a year < 1940000 Dollars)

The Houses

I found two houses that met the requirements. The third house didn't quite meet the requirements.
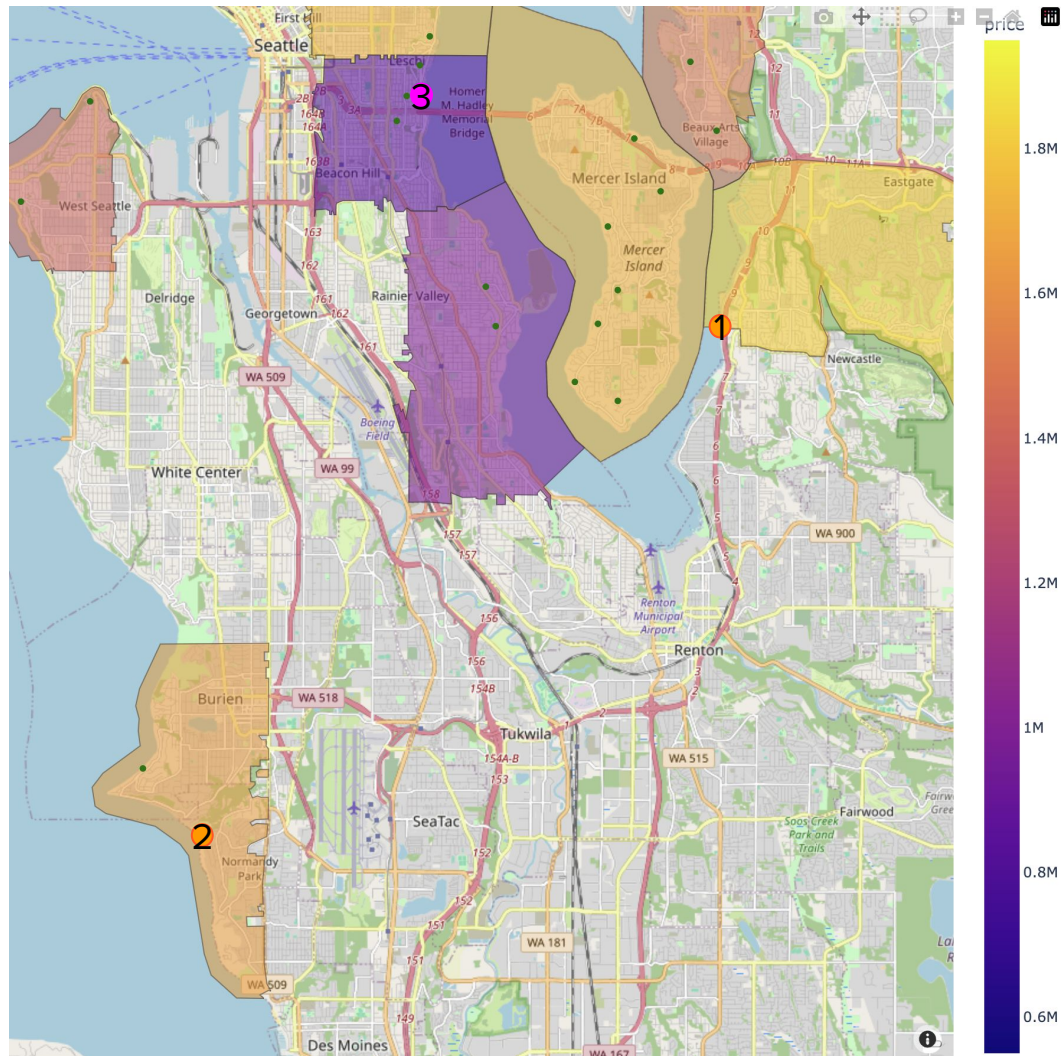
The Houses in Detail

house_id	bedrooms	bathrooms	sqft_living	sqft_lot	floors	waterfront	view	condition	grade	sqft_above	sqft_basement	yr_built	yr_renovated	sqft_living15	sqft_lot15	price
3343302110	3	3	2790.0	13295.0	2	1	4	4	10	2370.0	420.0	1933	1989	3140.0	11949.0	1800000.0
6117502230	3	3,5	4660.0	21164.0	2	1	4	3	12	4660.0	0	1975	1990	3140.0	24274.0	1640000.0
4114601580	6	4	3020.0	13237.0	2	1	4	3	8	2840.0	180.0	1942	1983	3680.0	12620.0	1900000.0

Definition:

- All three houses have waterfront
- All three houses are renovated
- House 1 and 2 have high grades
- All three houses could be resold within 1 year (price < 1940000 Dollars)
- The conditions of the houses are good so Jennifer could move in within a month