1 ## Project Overview

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3 For this project, I will use multiple linear regression modeling to analyze house sales in a northwestern county.

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5 ## Business Objective

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7 I was hired by West Seattle Realty (a local real estate agency) to provide insights to better their speciality in helping buyers and sellers navigate the King County residential home market.

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9 Link to local agency: https://westseattlerealty.com/west-seattle-realty

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11 ### The Data

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13 This project uses the King County House Sales dataset, which can be found in `kc_house_data.csv` in the data folder in this assignment's GitHub repository. The description of the column names can be found in `column_names.md` in the same folder. I filtered out the dataset into the following:

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15 * Price: $78,000-$5,570,000

16 * Bedrooms < 10

17 * Bathrooms < 4

18 * Floors < 3

19 * Square Foot Living: 370 sqft-5990 sqft

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21 And then the rest of the columns are:

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23 * `date`

24 * `view`

25 * `sqft_above`

26 * `sqft_basement`

27 * `yr_renovated`

28 * `zipcode`

29 * `lat`

30 * `long`

31 * `sqft_living15`

32 * `sqft_lot15`

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34 ## Modeling

35 Regression Modeling was used to predict the house prices

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37 # Conclusion

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39 ## Findings

40 **Top Features correlated with price:**

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