


forked from [learn-co-curriculum/dsc-phase-2-project](#)

☆ Star

 Watch ▼ Insights

...

Fetch upstream ▼



☰ README.md



Data Understanding

The dataset contains records of all recorded house sales in Kings County, WA from May 2014 to May 2015. There is a robust set of 21597 entries to work with. Information about the terms and data contained in this set can be examined at <https://info.kingcounty.gov/assessor/esales/Glossary.aspx?type=r>.

Methods

The data requires minimal cleaning, including scrubbing of outliers, and recasting data types to be suitable for regression modeling. I will also scale continuous data in order to make the coefficient values standard, regardless of the scale of the variables. Categorical variables will be one-hot-encoded using sklearn.

Finally, I will run a series of models, focused on returning a high R-squared value, and check the model residuals for homoscedasticity and a normal distribution.

Results

Through linear regression I have determined that the best variables to predict house price are related primarily to location, based on zip codes and the presence of a waterfront view.

Variables that are under the control of the owner include the total living area, the number of bathrooms, and the grade assigned to the property by the King County Assesor.

Repository Structure

Describe the structure of your repository and its contents:

— README.md	<— The top-level README for
reviewers of this project	
— final_notebook.ipynb	<— Narrative documentation of
analysis in Jupyter notebook	
— king_co_housing.pdf	<— PDF version of project
presentation	
— data	<— the KC housing data set and
column descriptions	

Releases

No releases published

[Create a new release](#)

Packages

No packages published

[Publish your first package](#)

Languages

● Jupyter Notebook 100.0%