
# Peer-Graded Assignment: Final Assignment

**Estimated time needed:** 45 minutes

Congratulations! You have now completed all the modules of this course. This week, you will complete the final assignment that will be graded by your peers. You will be provided a notebook with instructions and questions.

## Software Used in this Assignment

You will be using Jupyter Notebook through IBM Watson studio for the final project and will be required to share the link to your notebook. If you are not familiar with IBM Watson studio, instructions on how to get started has been provided for you.

## Dataset Used in this Assignment

This dataset contains house sale prices for King County, which includes Seattle. It includes homes sold between May 2014 and May 2015. It was taken from here. It was also slightly modified for the purposes of this course. Here is the description of the data:

| Variable | Description |
|---|---|
| id | A notation for a house |
| date | Date house was sold |
| price | Price is prediction target |
| bedrooms | Number of bedrooms |
| bathrooms | Number of bathrooms |
| sqft_living | Square footage of the home |
| sqft_lot | Square footage of the lot |
| floors | Total floors (levels) in house |
| waterfront | House which has a view to a waterfront |
| view | Has been viewed |
| condition | How good the condition is overall |
| grade | overall grade given to the housing unit, based on King County grading system |
| sqft_above | Square footage of house apart from basement |
| sqft_basement | Square footage of the basement |
| yr_built | Built Year |
| yr_renovated | Year when house was renovated |

| Variable | Description |
|---|---|
| zipcode | Zip code |
| lat | Latitude coordinate |
| long | Longitude coordinate |
| sqft_living15 | Living room area in 2015(implies-- some renovations) This might or might not have affected the lotsize area |
| sqft_lot15 | LotSize area in 2015(implies-- some renovations) |

# Assignment Scenario

You are a Data Analyst working at a Real Estate Investment Trust. The Trust will like to start investing in Residential real estate. You are tasked with determining the market price of a house given a set of features. You will analyze and predict housing prices using attributes or features such as square footage, number of bedrooms, number of floors, and so on.

# Guidelines for the Submission

Copy the link to the notebook and paste it in IBM Watson Studio: https://cf-courses-data.s3.us.cloud-object-storage.appdomain.cloud/IBMDeveloperSkillsNetwork-DA0101EN-SkillsNetwork/labs/FinalModule_Coursera/House_Sales_in_King_Count_USA.ipynb

# Grading Information

You will be required to submit a link to your notebook for peer grading.

The **main grading criteria** will be:

- Have you reproduced the correct information using the functions?
- Have you created the appropriate graphs?
- Did you properly fit a regression model?
- Have you shared the link to your Notebook?

You **will not be judged** on:

- Your English language, including spelling or grammatical mistakes.
- The content of any text or image(s) or where a link is hyperlinked to.

# Author(s)

- Aije Egwaikhide

## Other Contributor(s)

- Joseph Santarcangelo

# Changelog

| Date | Version | Changed by | Change Description |
|---|---|---|---|
| 2020-12-01 | 1.0 | Aije Egwaikhide | Initial version created in GitLab |