

Assignment #2 - Exploratory Data Analysis (jupyter notebook)

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Due 12 Aug by 23:59 **Points** 10 **Submitting** a file upload

File types ipynb, docx, pdf, pdf, txt, and rtf **Available** 30 Jul at 8:00 - 14 Aug at 23:59

You should work on all assignments independently without the assistance of anyone else.

To complete this assignment, answer the questions in the appropriate jupyter notebook and submit your results. Print the notebook as a PDF and upload both the PDF and the working ipynb file for marking.

DO NOT UPLOAD ZIP FILES!

No assignments will be accepted after the system closes.

Marking outline

Criteria	Ratings	Pts
Q1. Complete the code in the cells below. (2 marks total)		2 pts
Q3. The presenter in the video talked about two types of data to conduct a t-test: categorical and numeric variables (2 marks). (a) What is the null hypothesis of the t-test? (b) Give an example of the categorical and numeric variables we are considering when we conduct the t-test in the code below.		2 pts
Q4. Plot and describe histograms for older and newer homes		3 pts
Q5 (a) When people are selling their home they look at many different aspects of a house. Choose one variable that you think is important when buying a home and explain your reasoning (1 mark). (b) Show a scatter plot of your variable of choice versus SalePrice (1 mark). (c) Explain the relationship you see. (1 mark)		3 pts
Total points: 10		