통계분석

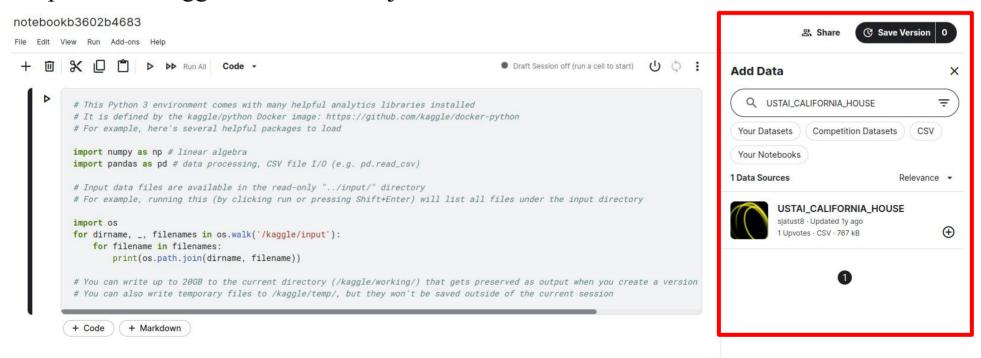
Statistical Analysis

Assignment 01. Descriptive Statistics

Dataset: California House Prices

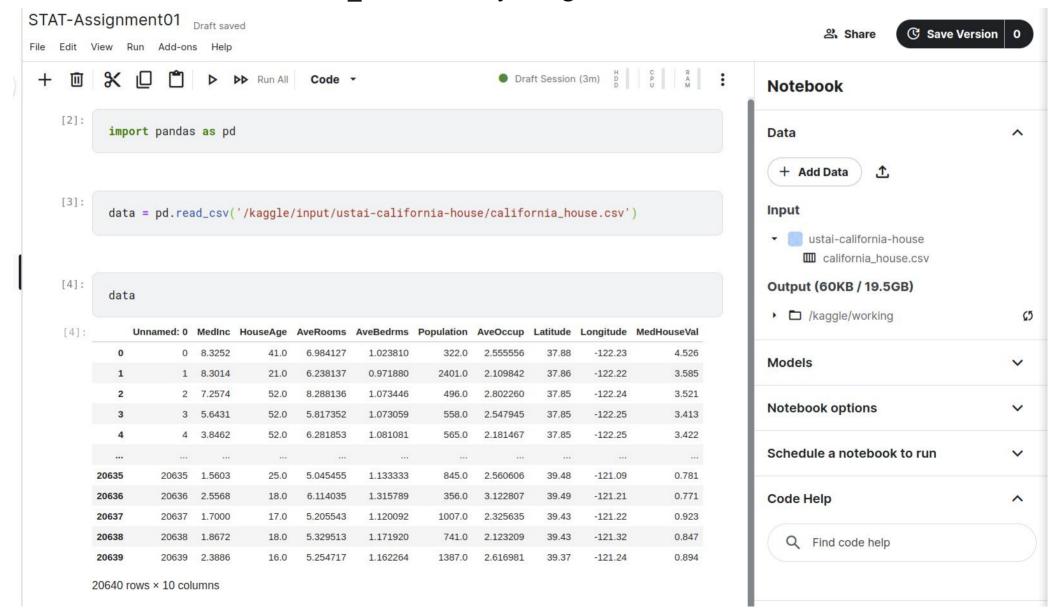
In the lecture, we have used a dataset of "Titanic: Machine Learning from Disaster." in order to practice visualization (matplotlib) and statistical modules (scipy.stats). In this assignment, we will use a different dataset to practice visualization (matplotlib) and statistical modules (scipy.stats). The dataset is about "California House Prices."

You can add this dataset to a kaggle notebook by searching "USTAI_CALIFORNIA_HOUSE" or by using the URL https://www.kaggle.com/datasets/sjatust8/ustai-california-house.



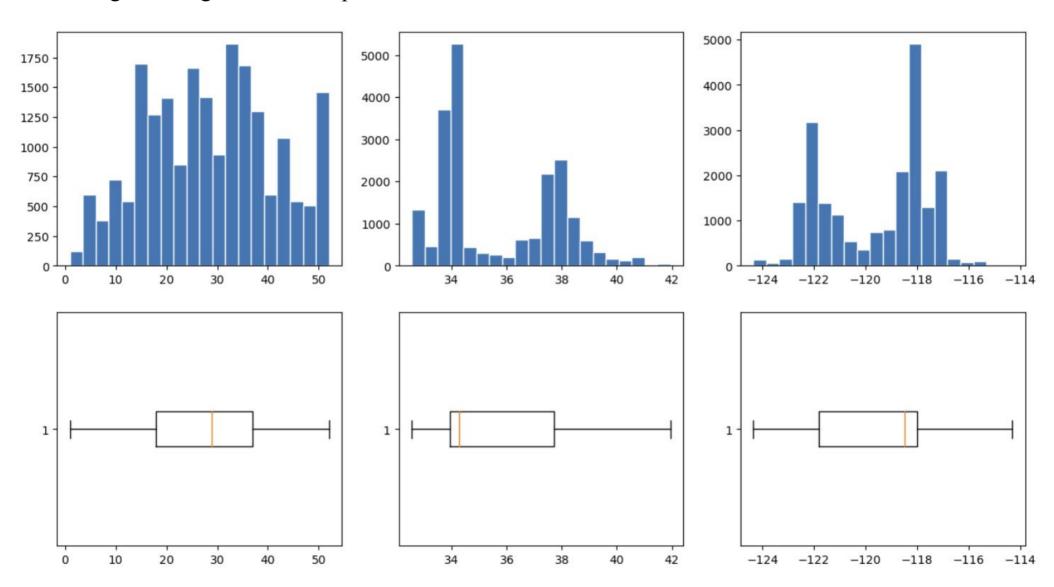
Dataset: California House Prices

You can read a file "california house.csv" by using the Pandas module as shown below.



Q1. Drawing Multiple Subplots

For three columns, "HouseAge", "Latitude", and "Longitude", plot the following multiple subplots consisting of histograms and boxplots.



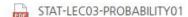
Q2. Calculating Skewness and Kurtosis

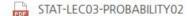
For columns from "MedInc" to "MedHouseVal", calculate skewness and kurtosis. Which column is the most asymmetric? Which column is the sharpest?

Submissions

- Please write down your kaggle notebook file to answer Q1 and Q2. Make a Python code to answer Q1 and Q2, and submit your kaggle notebook file to https://class.ust.ac.kr.
- Due date is 2023. 04. 12.

4Week [22 March - 28 March]







Assignment 01

Please read the attached file and submit your notebook to solve Q1 and Q2.

STAT_ASSIGNMENT01 20230329.pdf

Submission status

Submission status	No attempt	
Grading status	Not graded	
Due date	2023-04-12 23:55	
Time remaining	14 days 15 hours	
Last modified		
Submission comments	Comments (0)	

Add submission