Lab 5. Working with Excel File

Objectives:

- To learn how to manage Excel files in Python

Data:

- Download the Diamonds.xls file from Canvas.

Steps:

In AWS SageMaker, create a new notebook, upload the Diamonds.xls file, and write your python codes to implement /answer the following tasks /questions. Put your answers into separate cells in your notebook.

1. Design your python code to find the price of the biggest diamond. Print out the weight and the price of the biggest diamond.
2. Design your python code to calculate the average price of all diamonds. Print out the average price.
3. Design your python code to calculate the unit price for all diamonds, i.e., price/weight, and write the unit prices to the original Diamonds.xls file.
4. Print out the first ten rows of the Diamonds.xls file containing the unit prices.

Submission:

  Submit your report as a group

Upload your notebook to GitHub and submit your URL for your GitHub.