CS 250 Fall 2024

Homework Assignment 1

Due on Moodle: <u>Before class</u> on Friday, September 6. Mail submissions will not be accepted. Upload a single Jupyter notebook (.ipynb file)

1) Write a few lines introducing yourself. Include the following:
   a) Your name, major and year
   b) Your reason for taking this course
   c) Your hobbies
   d) Programming languages that you know
   e) What you expect to learn from this course   **[10 points]**

2) Find **<u>one</u>** other person to form a project team of two people. Do not just write the name of an arbitrary person. Actually *talk* to the person and form a team. **I can help you to form a team if you can't do it yourself.**   **[10 points]**

3) This question is a GROUP activity. Explore Kaggle with your teammate and look up a problem you find interesting for your first project. Write a few lines explaining why you find it interesting. *Choose as best as you can, although this choice may change before the actual project due to practical reasons*.   **[10 points]**

   `Write the above three parts in Markdown cells in a Jupyter Lab notebook file. In the same file, do the next question.`

4) With the "avocado prices" dataset introduced in class, write code in Python that does the following.
   a) Outputs a bar chart with the average yearwise price of an avocado for each of the five years (a bar for each year)   [10 points]
   b) Outputs a line chart with the total volume of avocados sold per year for each of the five years.   [10 points]