Applied Data Science with Python
Labwork #1

Starting with Pandas:

- Import the Pandas and necessary packages.

- Using the url command and load this dataset file from Internet, then assign this to a variable called iris.

- Observe and the number of columns/rows in the dataset. What is the data type of each column?

- Create the column names for the dataset according to its description.

- Is there any missing value in the dataframe? Calculate the number of non-missing data.

- Separate data according to their class.

- Is there any duplicate data?

Studying the Occupation dataset :

- The dataset is available in https://raw.githubusercontent.com/justmarkham/DAT8/master/data/u.user

- Observe the column of Occupation

- Compute how many occupations in the dataset?

- Discover what is the mean age per occupation.

- Discover the Male/Female ratio per occupation .

- For each occupation, calculate the min and max age.

- Draw a histogram according to the occupations.

- Create a scatter plot presenting the relationship between occupation and age; occupation and gender.