Assignment 2: Data distribution and plotting libraries
July 12, 2022
[Submission URL](#)
Submission Deadline: 13/07/2022, 2.30 PM

1. **Data Visualization**
   Tips database is the record of the tip given by customers in a restaurant for two and a half months in the early 1990s. It contains 6 columns such as total_bill, tip, sex, smoker, day, time, and size.

   Load the dataset using:
   import seaborn as sns
   data = sns.load_dataset("tips")
   data.head()

   a. Plot a scatter plot with days against the tip
   b. Plot the data distribution for the total bill
   c. Plot a line plot between sex and the total bill
   d. Plot scatter plots between total bill and tip, color by sex, and subplot day-wise (*Hint: sns.relplot*)
   e. Plot a point plot between day and tip
   f. Explain your observations briefly from these plots