Case Study on Python for Data Science

A telephone company wishes to investigate their customer churn count. The company wants to check the following facts.

1. The number of customers owns their connection based on :
   a. Gender
   b. Citizenship

2. The number of customers left their service:
   a. Gender
   b. Citizenship

3. Preference of payment method based on :
   a. Churn
   b. Contract

4. Internet service preference by gender based on churn status.

5. Explain the descriptive statistics of "TotalCharges" based on:
   a. Gender
   b. Contract
   c. Payment Method

Instructions

- Do the coding in Google Colab / Jupyter notebook and download the notebook file(.ipynb).
- Create a repository in GitHub account as "Public".
- Upload the notebook file(.ipynb) to the repository.
- Please make sure that you are uploading the notebook file including the outputs as well.
- Share the link of this notebook from GitHub in the online text editor provided in Paatshala.