



Experiment-2

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Branch: BE-CSE Section/Group: 806/B

Semester: 5th Date of Performance: 16/08/2022

Subject Name: Machine Learning

Subject Code: 20CSP_806

1. Aim/Overview of the practical:

To analyse the data for certain trends, patterns may become difficult if the data is in its raw format. To overcome this data visualization comes into play. Data visualization provides a good, organized pictorial representation of data which makes it easier to understand, observe, analyse.

2. Task to be done/ Which logistics used:

- Goggle colab (Online Complier)
- Jupyter Notebook (Offline)

Hardware Requirement:

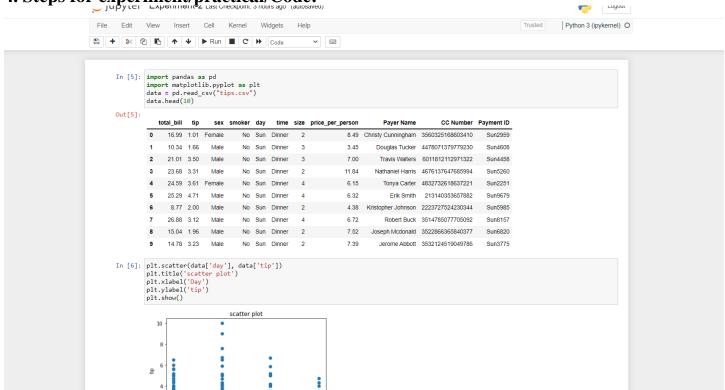
- Window 10
- Power Supply
- RAM 4GB







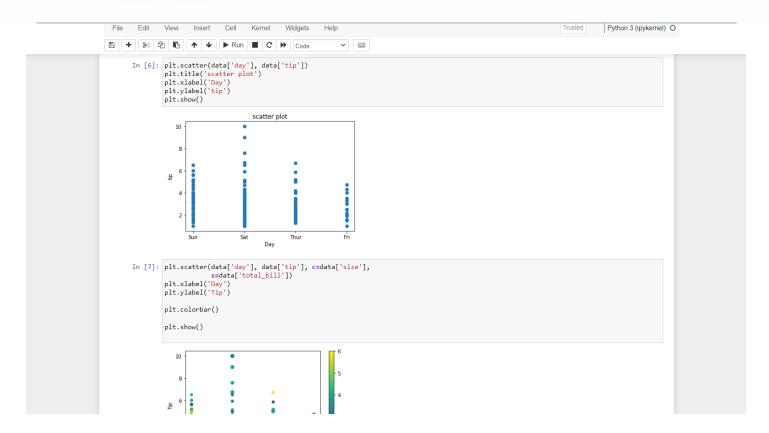
4. Steps for experiment/practical/Code:







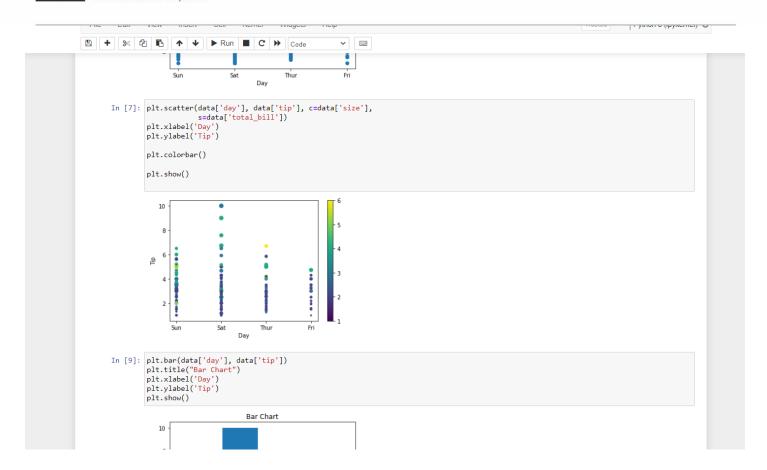








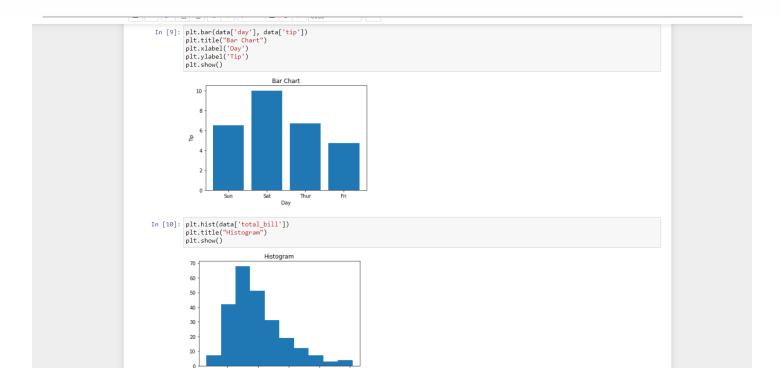








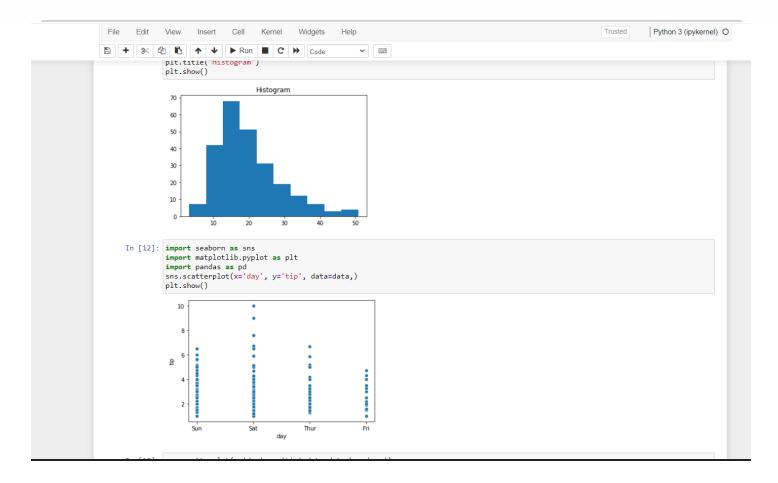








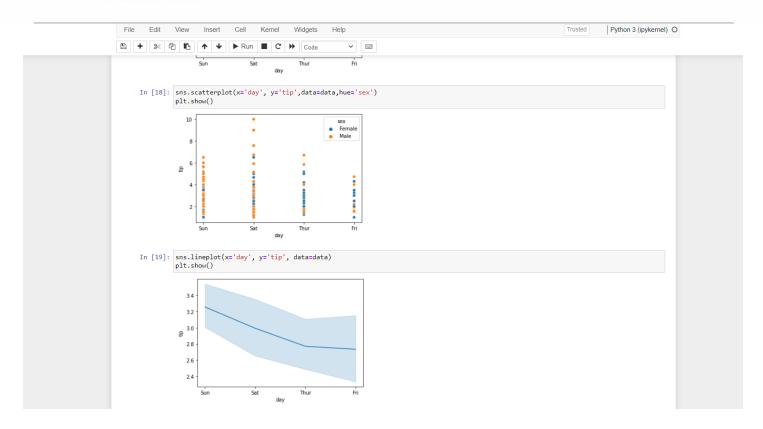








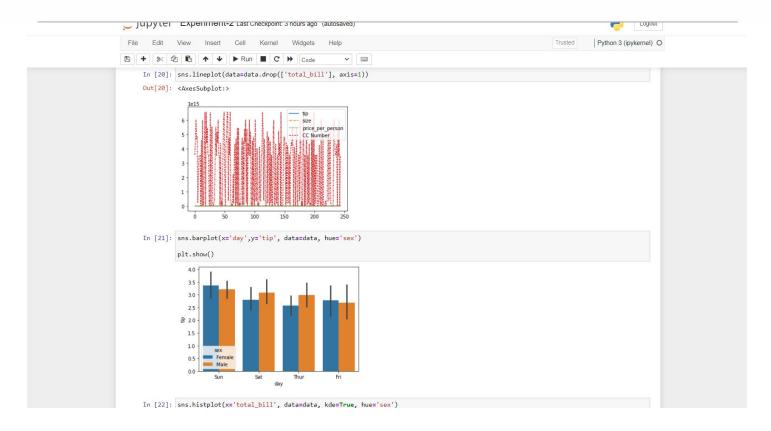








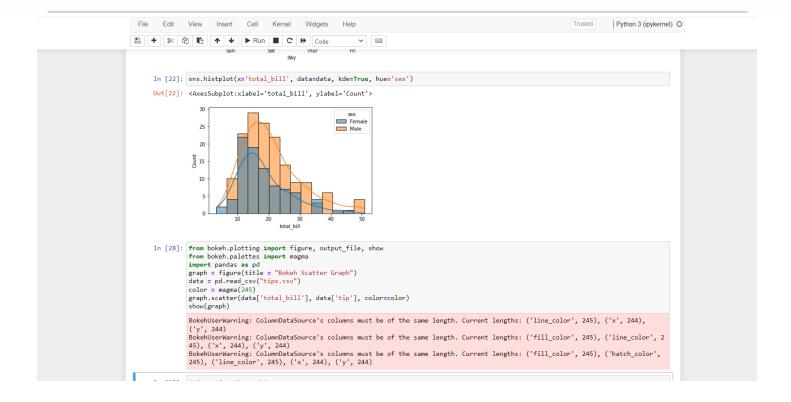








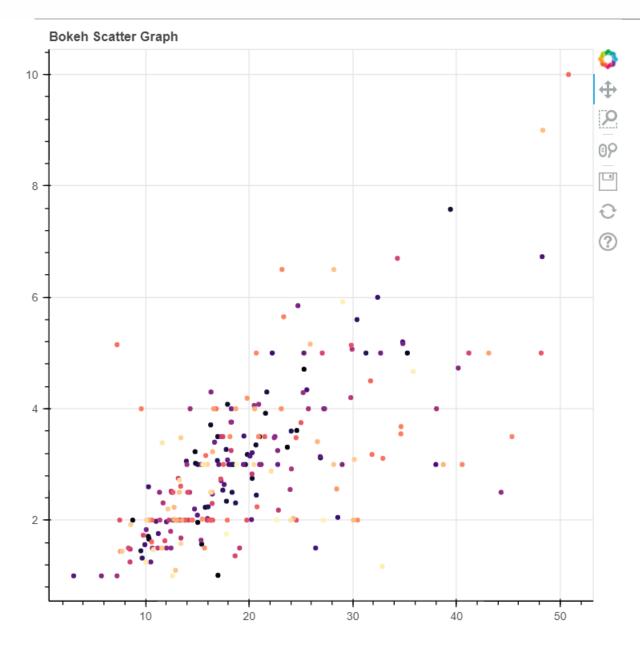








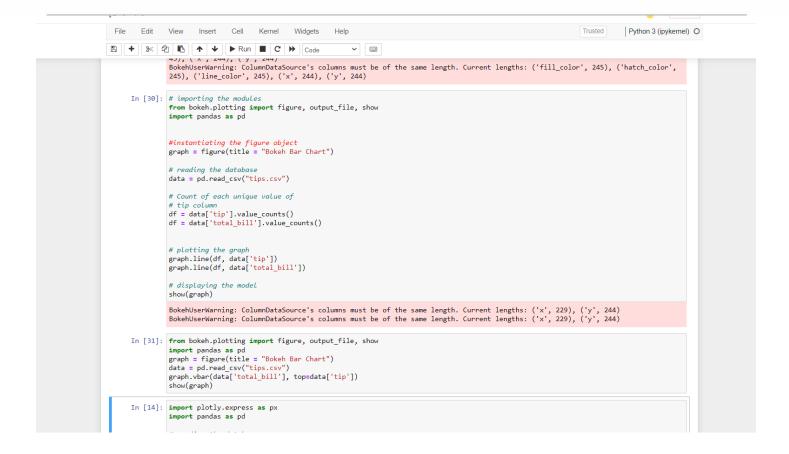








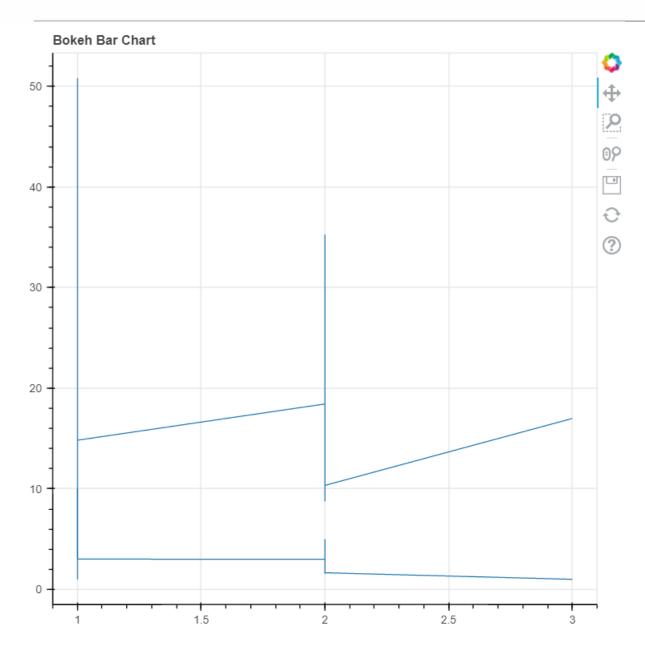


















```
show(graph)

BokehUserWarning: ColumnDataSource's columns must be of the same length. Current lengths: ('x', 229), ('y', 244)

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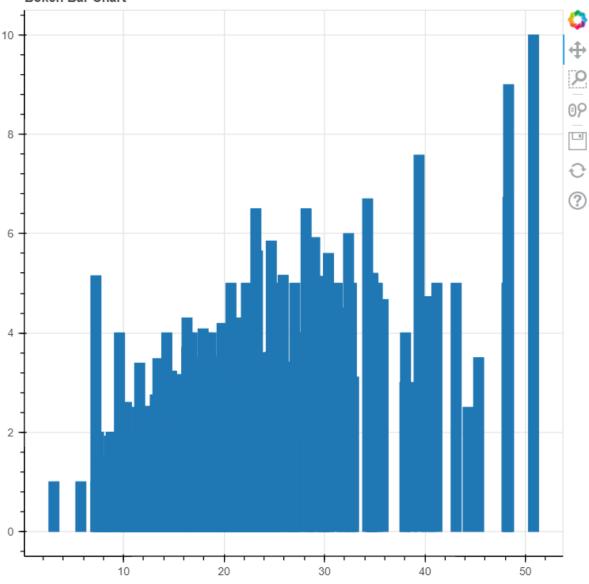
In [31]: from bokeh.plotting import figure, output_file, show import pandas as pd graph = figure(title = "Bokeh Bar Chart")

data = pd.read_csv("tips.csv")

graph.vbar(data['total_bill'], top=data['tip'])

show(graph)
```

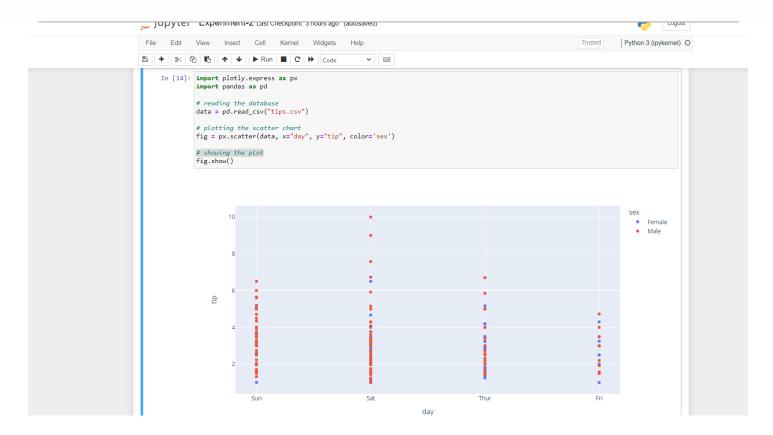
Bokeh Bar Chart







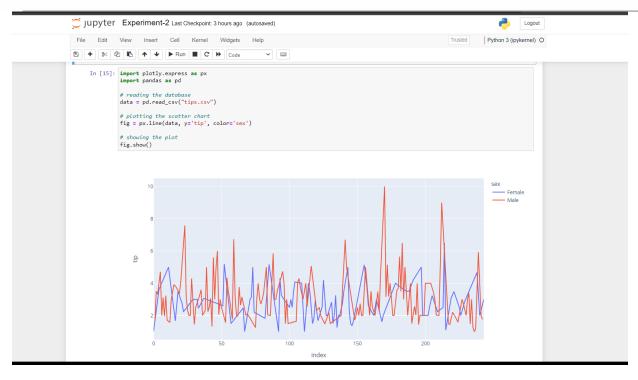


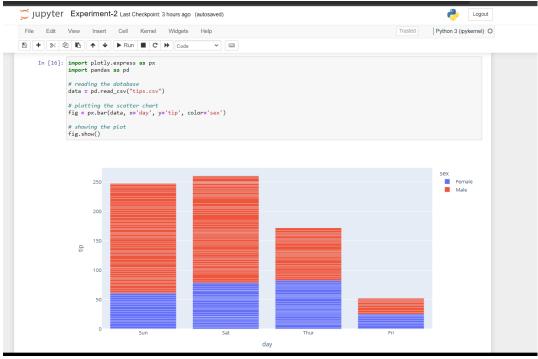








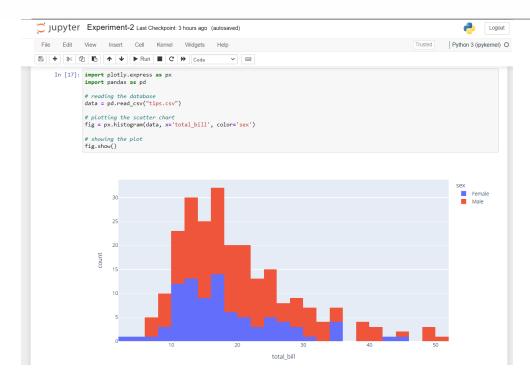












Learning outcomes (What I have learnt):

- 1. Learnt about Machine Learning
- 2.Learnt about how dataset is used.
- 3.Learnt about different types of commands
- 4.Learnt about how to use these commands on time.

Evaluation Grid (To be created as per the SOP and Assessment guidelines by the faculty):

Sr. No.	Parameters	Marks Obtained	Maximum Marks
1.			
2.			
3.			











