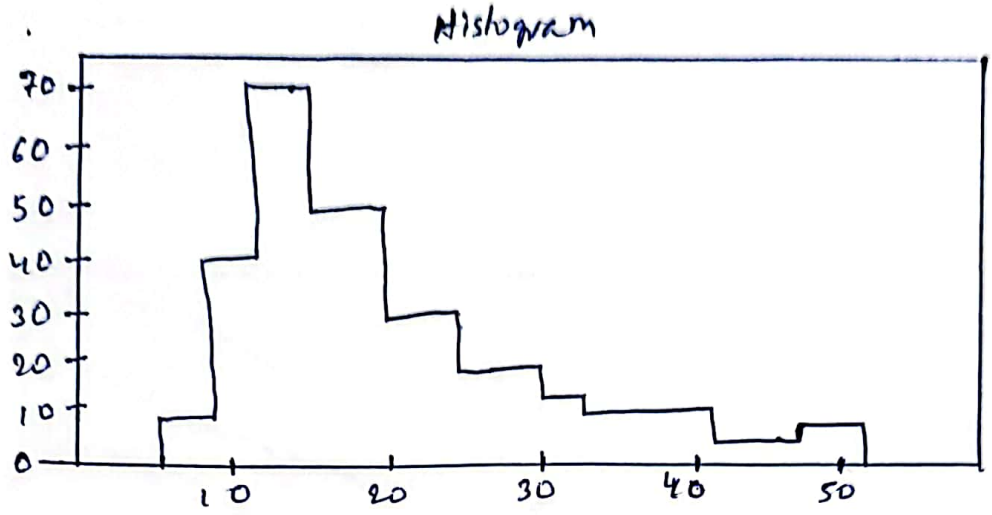
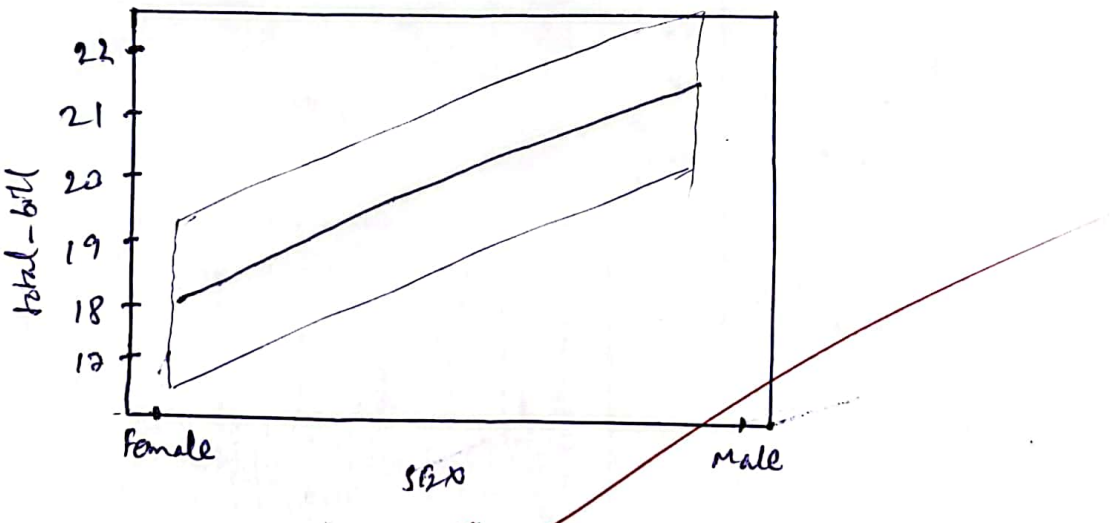
ASSIGNMENT-6

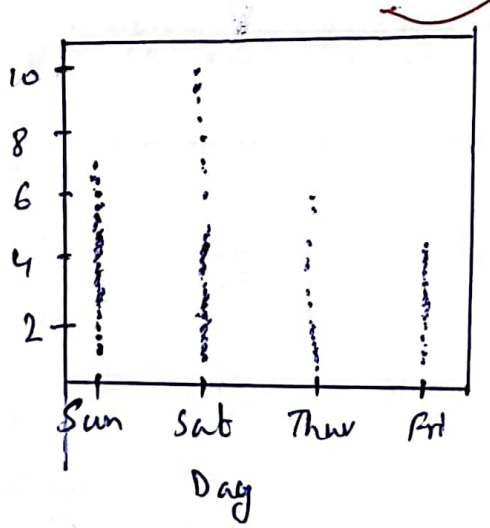
1. WAP in python to implement data visualisation using matplotlib and seaborn.

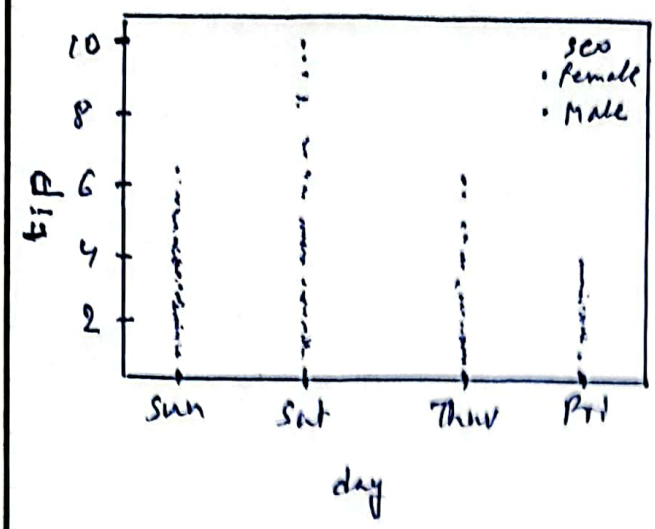
```
import seaborn as sns
import matplotlib.pyplot as plt
import pandas as pd

data = pd.read_csv ("tips.csv")
plt.hist (data ["total_bill"])
plt.title ("Histogram")
plt.show ()
data = pd.read_csv ("tips.csv")
sns.lineplot (x = "sex", y = "total_bill", data = data)
plt.title ("Title using Matplotlib Function")
plt.show()
data = pd.read_csv ("tips.csv")
sns.scatterplot (x = "day", y = "tip", data = data,)
plt.show ()
data = pd.read_csv ("tips.csv")
sns.scatterplot (x = "day", y = "tip", data = data, hue = "sex")
plt.show ()
data = pd.read_csv ("tips.csv")
sns.lineplot (x = "day", y = "tip", data = data)
plt.show()
data = pd.read_csv ("tips.csv")
sns.lineplot (data = data.drop (["total_bill"], axis = 1))
plt.show()
data = pd.read_csv ("tips.csv")
```

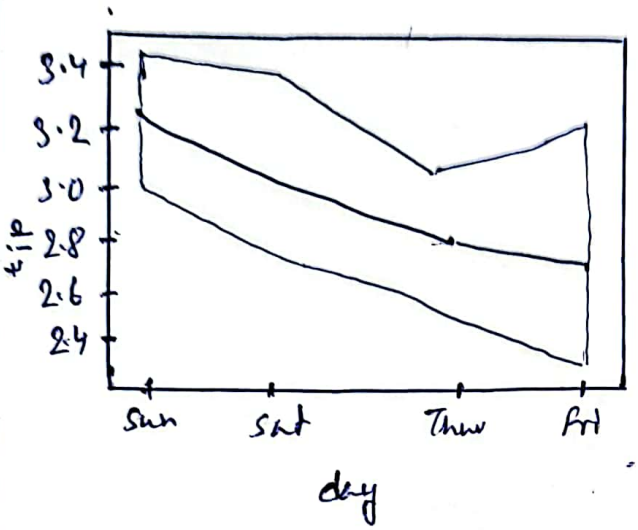
```
sns.barplot(x="day", y="tip", data=data, hue="sex")
plt.show()
data=pd.read_csv("tips.csv")
sns.histplot(x="total_bill", data=data, kde=True; hue="sex")
plt.show()
```

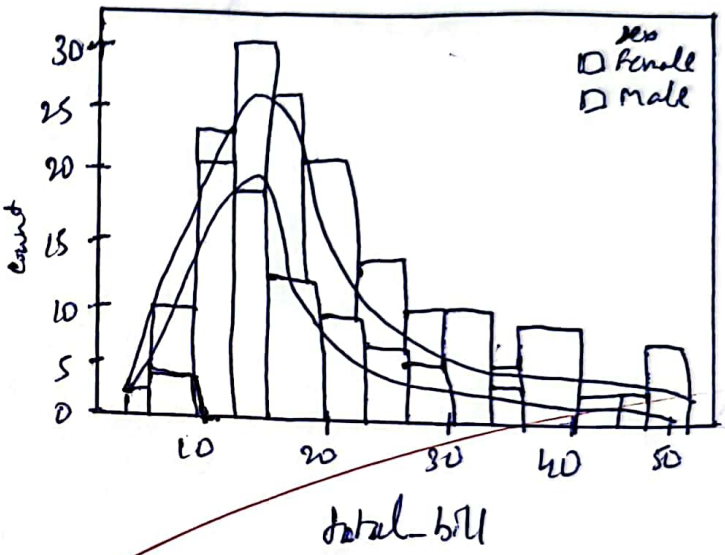


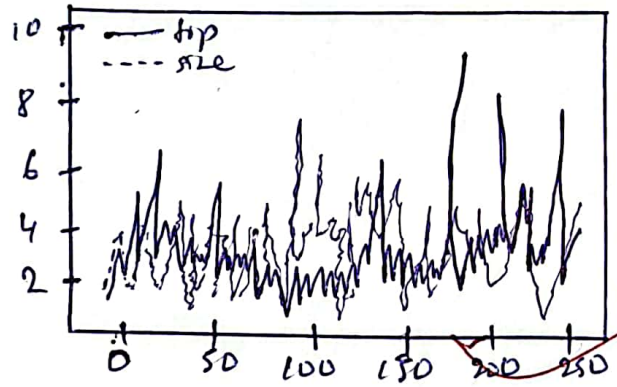


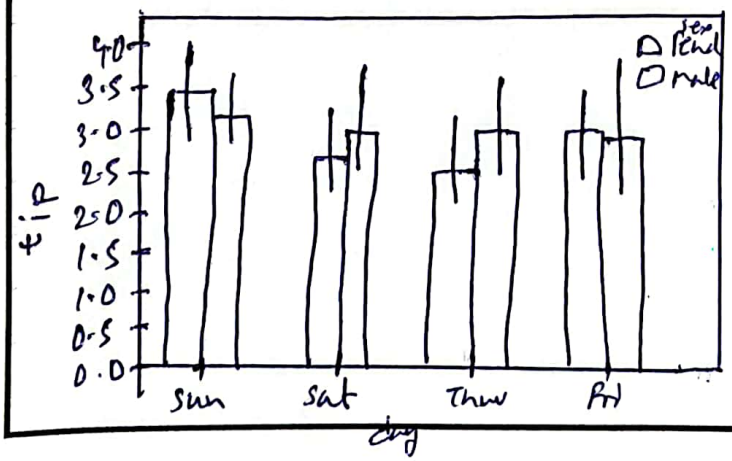












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22.12.23.