EXPERIMENT - 6

TO UNDERSTAND EDA – QUANTITATIVE AND QUALITATIVE

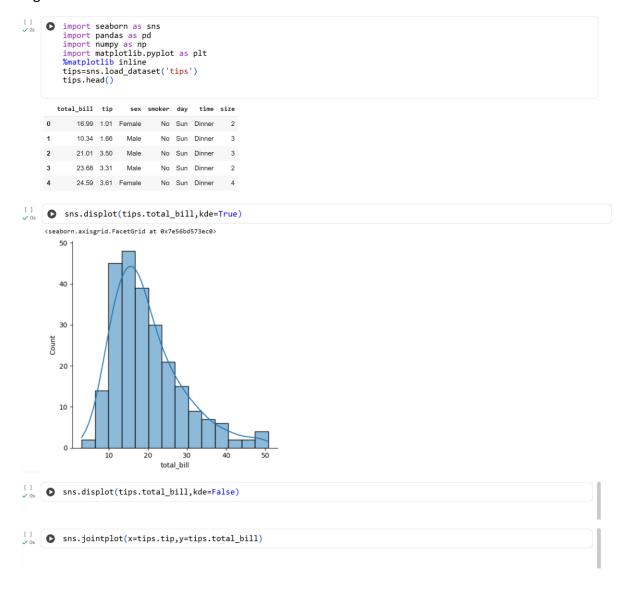
Aim:

To understand quantitative and qualitative of EDA

Procedure:

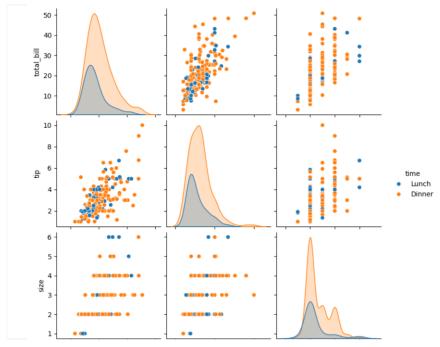
- Import all the necessities
- Upload default dataset 'tips'
- Use pandas to read and make it as DataFrame
- Then perform various plots and joints using seaborn and other libraries

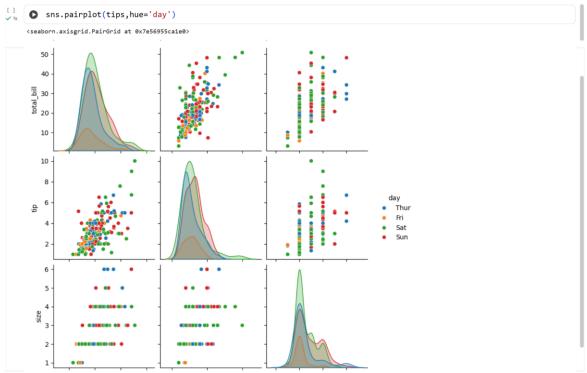
Program:

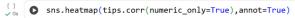


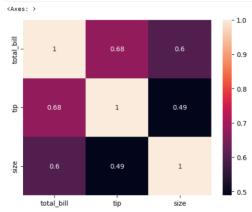
sns.jointplot(x=tips.tip,y=tips.total_bill,kind="reg") sns.jointplot(x=tips.tip,y=tips.total_bill,kind="hex") <seaborn.axisgrid.JointGrid at 0x7e569565aea0> 50 40 total_bill 20 10 10 tip sns.pairplot(tips) <seaborn.axisgrid.PairGrid at 0x7e5695577740> 50 40 total 50 20 10 10 ф 5 · size 4 -1 tips.time.value_counts() dtype: int64 sns.pairplot(tips,hue='time')

<seaborn.axisgrid.PairGrid at 0x7e56941ba1e0>

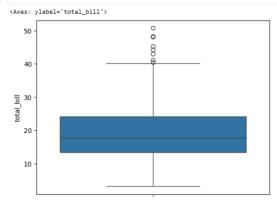




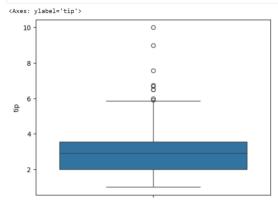




sns.boxplot(tips.total_bill)



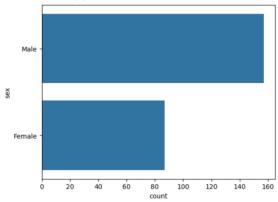
sns.boxplot(tips.tip)



sns.countplot(tips.day)

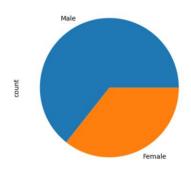
sns.countplot(tips.sex)

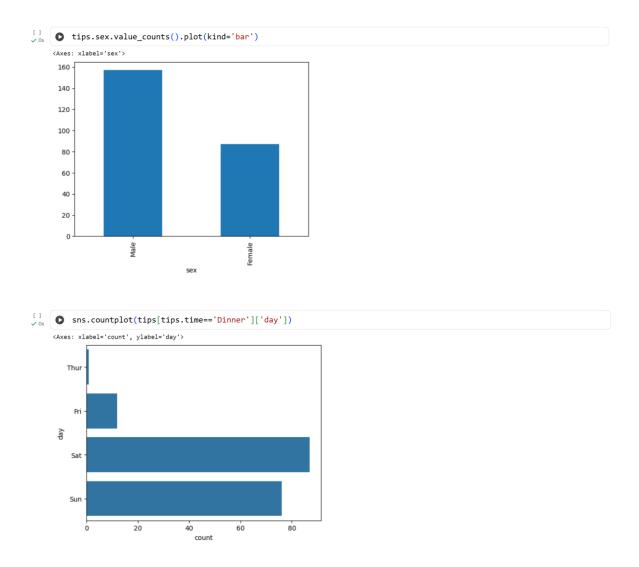
<Axes: xlabel='count', ylabel='sex'>



tips.sex.value_counts().plot(kind='pie')

<Axes: ylabel='count'>





Result:

Thus the python program to understand EDA is executed and verified successfully