SESSION 6: Visualization & Plotting

Assignment 2

1.Import the Titanic Dataset from the following link:

https://drive.google.com/file/d/1JTJCjdGuUxzKXYlwOavwovB01k6FWg3r/view?ts=5b42ea10

Perform the below operations:

a. Is there any difference in fares by different class of tickets?

Note- show a boxplot displaying the distribution of fares by class

```
titanic <-read.csv(file.choose))
fig, axes = plt.subplots(nrows=3, ncols=1)
titanic.loc[titanic['pclass'] == 1].plot(ax=axes[0], y='fare', kind='box')
titanic.loc[titanic['pclass'] == 2].plot(ax=axes[1], y='fare', kind='box')
titanic.loc[titanic['pclass'] == 3].plot(ax=axes[2], y='fare', kind='box')
plt.show()
```

b. Is there any association with Passenger class and gender?

Note- show a stacked bar chart

```
g = sns.FacetGrid(train_data, col='Survived')
g.map(plt.hist, 'Sex', bins=3)
```