```
import pandas as pd
import numpy as np
import seaborn as sns
```

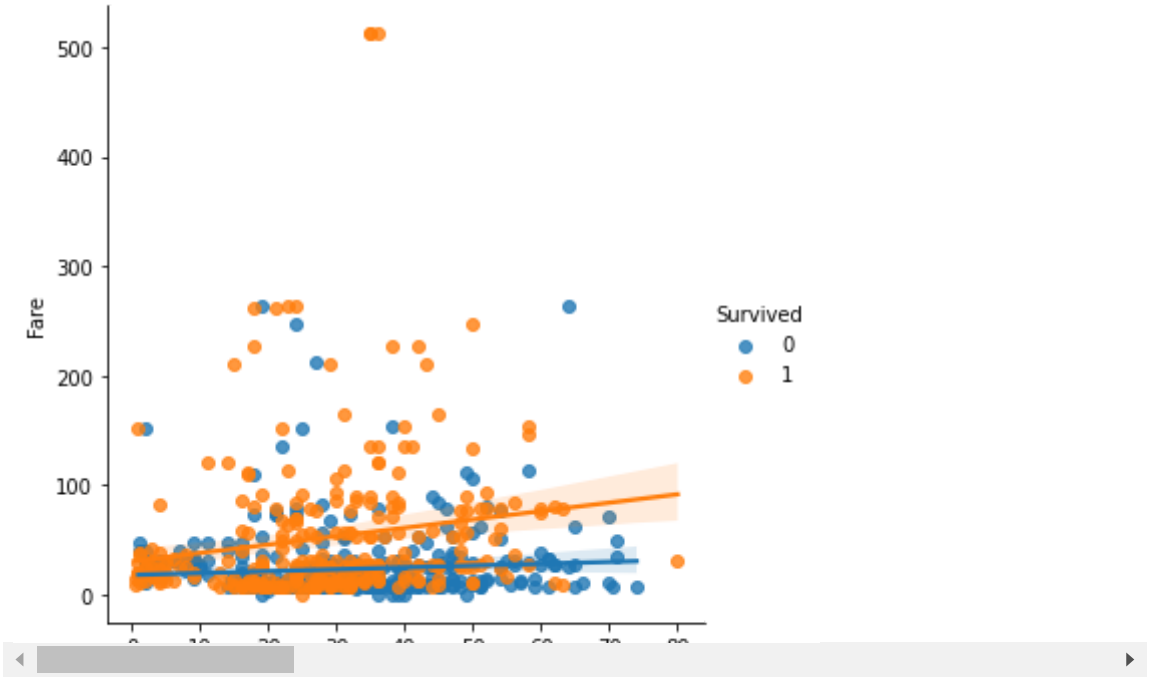
```
df=pd.read_csv('https://raw.githubusercontent.com/datasciencedojo/datasets/master/titanic.
```

```
df.shape
```

```
(891, 12)
```

```
sns.lmplot('Age','Fare',df,hue='Survived')
```

```
/usr/local/lib/python3.7/dist-packages/seaborn/_decorators.py:43: FutureWa
  FutureWarning
<seaborn.axisgrid.FacetGrid at 0x7f8a2ae7ea90>
```

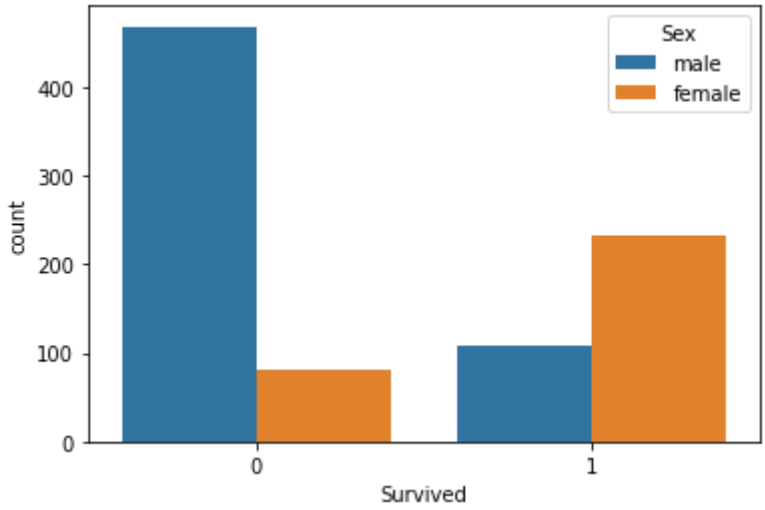



```
sns.scatterplot(data=df,x='Age',y='Fare',hue='Sex')
```

```
<matplotlib.axes._subplots.AxesSubplot at 0x7f8a2ae11050>
```

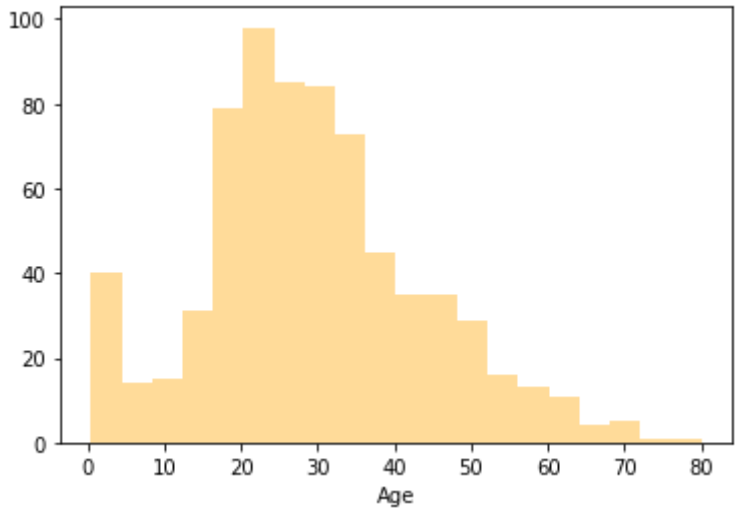
```
sns.countplot(data=df,x='Survived',hue='Sex')
```

```
<matplotlib.axes._subplots.AxesSubplot at 0x7f8a2af0ea10>
```



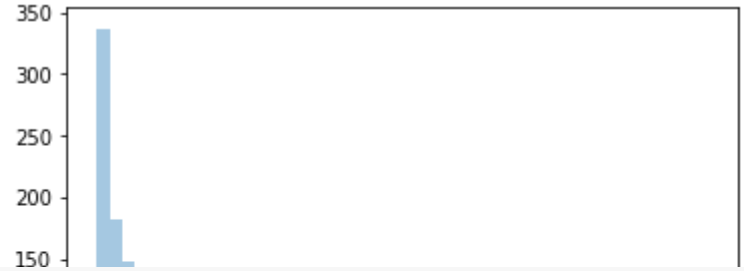

```
sns.distplot(df['Age'],kde=False,color='orange')
```

```
/usr/local/lib/python3.7/dist-packages/seaborn/distributions.py:2619: FutureWarning:
  warnings.warn(msg, FutureWarning)
<matplotlib.axes._subplots.AxesSubplot at 0x7f8a2acf4b90>
```



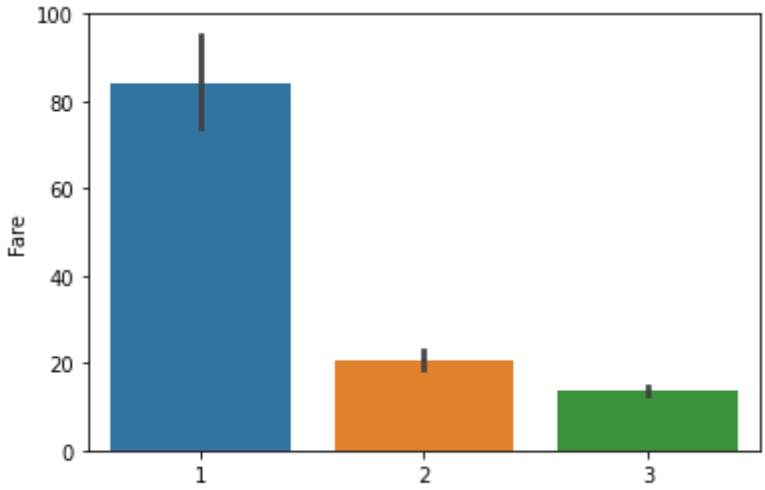

```
#dist plot is used
sns.distplot(df['Fare'],kde=False)
```

```
/usr/local/lib/python3.7/dist-packages/seaborn/distributions.py:2619: FutureWarning:
  warnings.warn(msg, FutureWarning)
<matplotlib.axes._subplots.AxesSubplot at 0x7f8a2ac9c910>
```



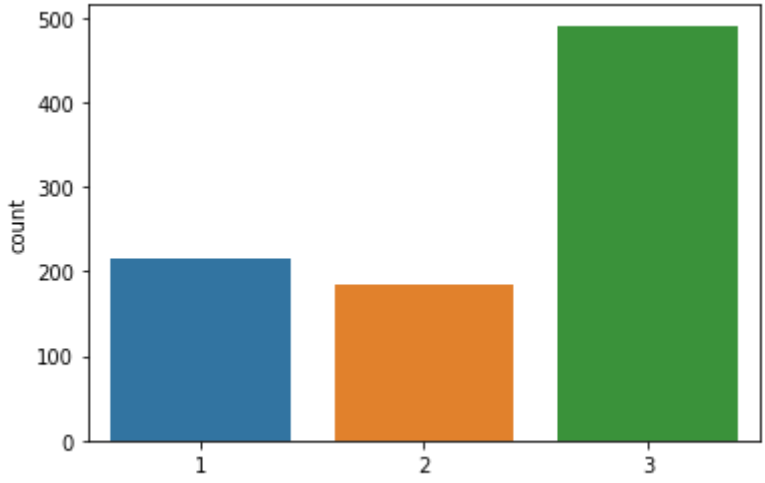

```
#which class has highest fare
sns.barplot(data=df,y='Fare',x='Pclass')
```

```
<matplotlib.axes._subplots.AxesSubplot at 0x7f8a2ac1dc50>
```



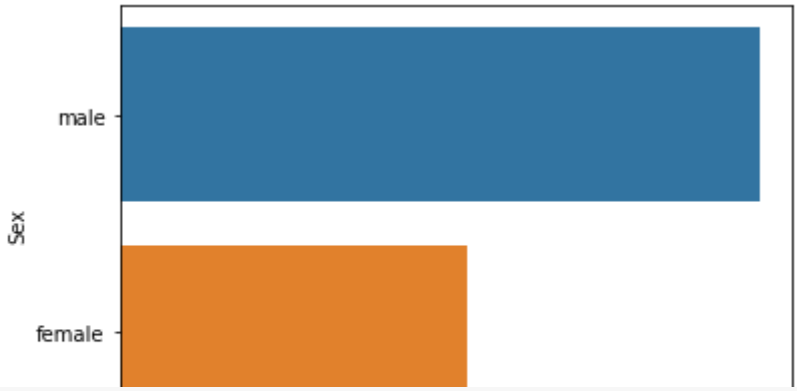

```
sns.countplot(data=df,x='Pclass')
```

```
<matplotlib.axes._subplots.AxesSubplot at 0x7f8a2ab03550>
```




```
sns.countplot(data=df, y='Sex')
```

```
<matplotlib.axes._subplots.AxesSubplot at 0x7f8a2aad6dd0>
```

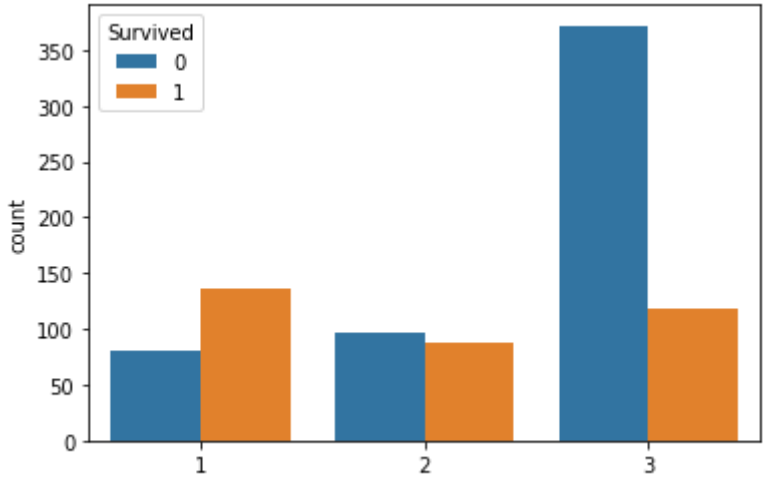



```
#To find
df.Pclass.value_counts()
```

```
3    491
1    216
2    184
Name: Pclass, dtype: int64
```

```
#from which classs people does't survived
sns.countplot(x='Pclass',data=df,hue='Survived')
```

```
<matplotlib.axes._subplots.AxesSubplot at 0x7f8a2aaa52d0>
```

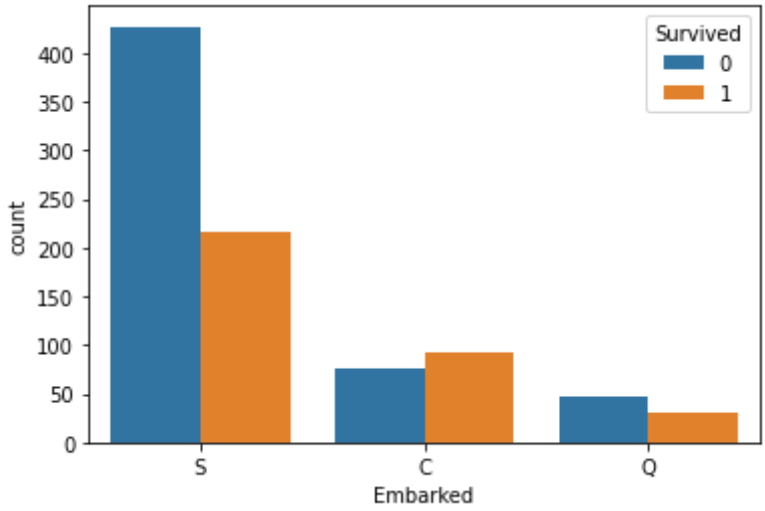



```
#From which  station most of passangers boarded
sns.countplot(data=df,x='Embarked')
```

```
<matplotlib.axes._subplots.AxesSubplot at 0x7f8a2a9b8f90>
```

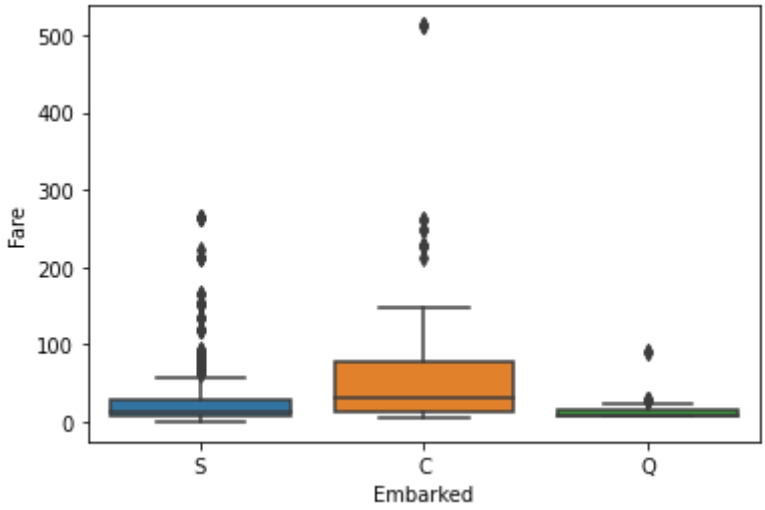

```
#from which station most of people not survived
sns.countplot(data=df,x='Embarked',hue='Survived')
```

```
<matplotlib.axes._subplots.AxesSubplot at 0x7f8a2a9a0890>
```




```
#for which station fare was more
sns.boxplot(data=df,x="Embarked",y='Fare')
```

```
<matplotlib.axes._subplots.AxesSubplot at 0x7f8a2a91d110>
```

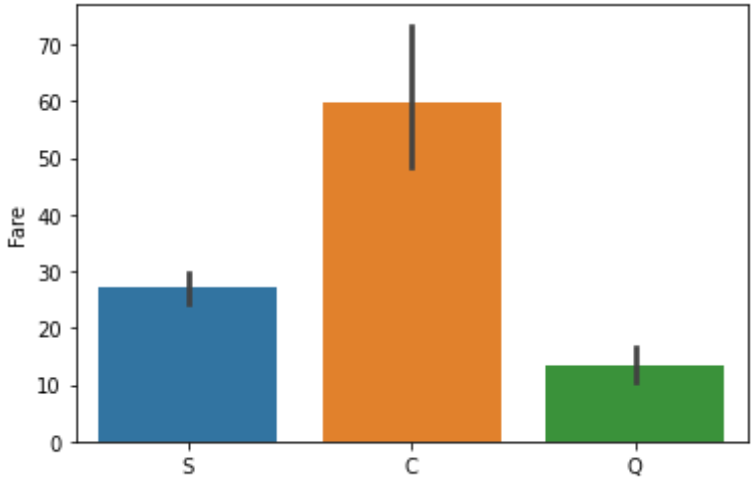



```
sns.scatterplot(data=df,x='Embarked',y='Fare')
```

```
<matplotlib.axes._subplots.AxesSubplot at 0x7f8a2a8a8510>
```

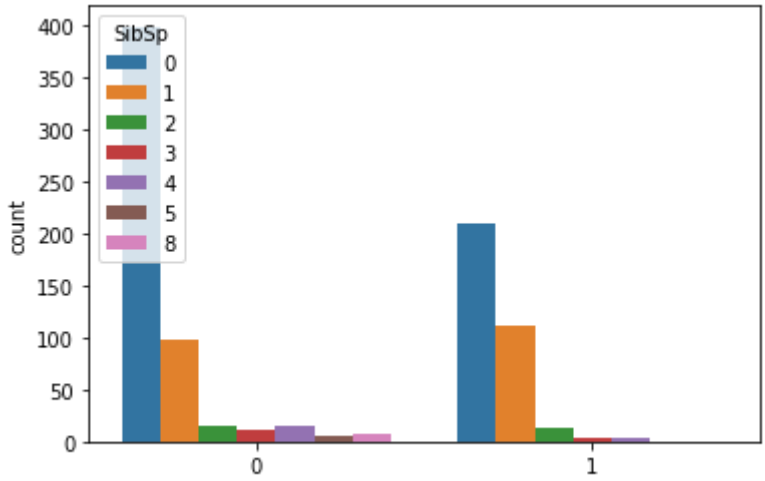

```
sns.barplot(data=df,x='Embarked',y='Fare')
```

```
<matplotlib.axes._subplots.AxesSubplot at 0x7f8a2a81af50>
```



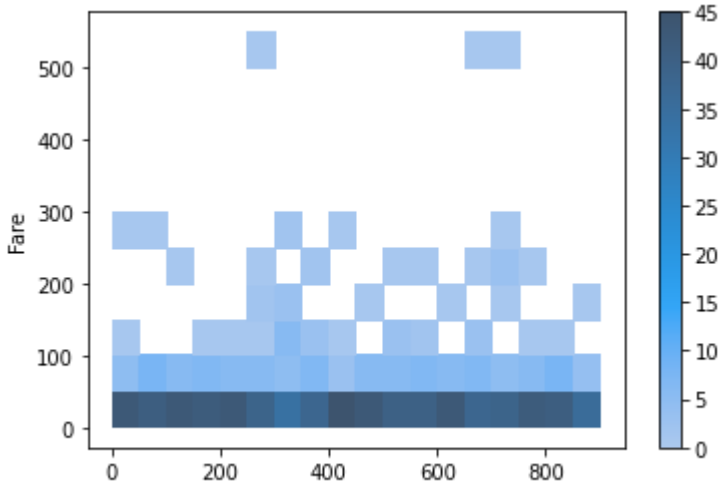

```
sns.countplot(data=df,x='Survived',hue='SibSp')
```

```
<matplotlib.axes._subplots.AxesSubplot at 0x7f8a2a785f50>
```




```
#How the fare for each passenger is distributed by plotting a histogram
#dark color represents count of values is more
sns.histplot(data=df,x='PassengerId',y='Fare',binwidth=50,cbar=True)
```

```
<matplotlib.axes._subplots.AxesSubplot at 0x7f8a2a727b10>
```



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