In [2]:
```
import numpy as np
import pandas as pd
import seaborn as sns
import matplotlib.pyplot as plt
```

In [6]:
```
var=pd.read_csv('C://Users/Gopi/Desktop/titanic.csv')
var.head()
```

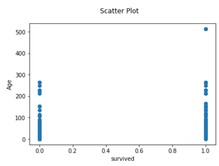
Out[6]:

	PassengerId	Survived	Pclass	Name	Sex	Age	SibSp	Parch	Ticket	Fare	Cabin	Embarked
0	1	0	3	Braund, Mr. Owen Harris	male	22.0	1	0	A/5 21171	7.2500	NaN	S
1	2	1	1	Cumings, Mrs. John Bradley (Florence Briggs Th...	female	38.0	1	0	PC 17599	71.2833	C85	C
2	3	1	3	Heikkinen, Miss. Laina	female	26.0	0	0	STON/O2. 3101282	7.9250	NaN	S
3	4	1	1	Futrelle, Mrs. Jacques Heath (Lily May Peel)	female	35.0	1	0	113803	53.1000	C123	S
4	5	0	3	Allen, Mr. William Henry	male	35.0	0	0	373450	8.0500	NaN	S

Scatter Plot

In [59]:
```
plt.suptitle('Scatter Plot')
plt.xlabel('survived')
plt.ylabel('Age')
plt.scatter(x=var['Survived'],y=var['Fare'])
```

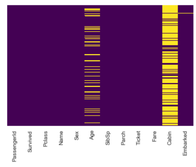
Out[59]:
```
<matplotlib.collections.PathCollection at 0xe74a648>
```



Heat Map

In [9]:
```
sns.heatmap(var.isnull(),cmap='viridis',yticklabels=False,cbar=False)
```

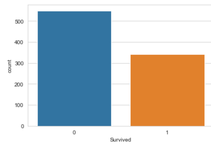
Out[9]:
```
<matplotlib.axes._subplots.AxesSubplot at 0xaf1edc8>
```



Count Plot

In [10]:
```
sns.set_style('whitegrid')
sns.countplot(x='Survived',data=var)
```

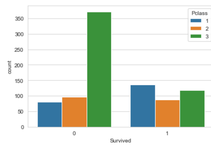
Out[10]:
```
<matplotlib.axes._subplots.AxesSubplot at 0xaf59a48>
```



Count Plot

In [11]:
```
sns.countplot(x='Survived',hue='Pclass',data=var)
```

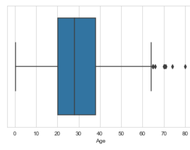
Out[11]:
```
<matplotlib.axes._subplots.AxesSubplot at 0xb74ec48>
```



Box Plot

In [12]:
```
sns.boxplot(x='Age',data=var)
```

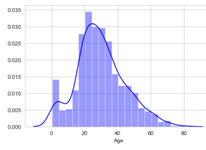
Out[12]:
```
<matplotlib.axes._subplots.AxesSubplot at 0xb7cc588>
```



Dist Plot

In [13]:
```
sns.distplot(var['Age'].dropna(),color="Blue")
```

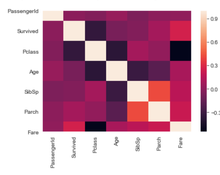
Out[13]:
```
<matplotlib.axes._subplots.AxesSubplot at 0xba308c8>
```



Heat Map

In [22]:
```
sns.heatmap(var.corr(),color="Red")
```

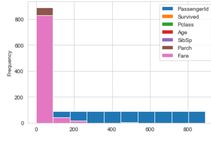
Out[22]:
```
<matplotlib.axes._subplots.AxesSubplot at 0xbc26848>
```



Histogram

In [23]:
```
var.plot(kind='hist')
```

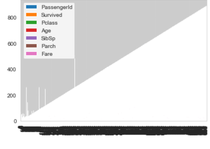
Out[23]:
```
<matplotlib.axes._subplots.AxesSubplot at 0xbdfe888>
```



Bar Plot

In [24]:
```
var.plot(kind='bar')
```

Out[24]:
```
<matplotlib.axes._subplots.AxesSubplot at 0xbf5ca08>
```



Box Plot

In [25]:
```
var.plot(kind='box')
```

Out[25]:
```
<matplotlib.axes._subplots.AxesSubplot at 0x10678788>
```