




#Step-1 Generate summary statistics (mean, median, std, etc.)


```
import pandas as pd
df=pd.read_csv('/content/Titanic-Dataset[1].csv')
df
```



	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
...	...	...	...	...	...	...	...	...	...	...	...	...
886	887	0	2	Montvila, Rev. Juozas	male	27.0	0	0	211536	13.0000	NaN	S
887	888	1	1	Graham, Miss. Margaret Edith	female	19.0	0	0	112053	30.0000	B42	S
888	889	0	3	Johnston, Miss. Catherine Helen "Carrie"	female	NaN	1	2	W./C. 6607	23.4500	NaN	S
889	890	1	1	Behr, Mr. Karl Howell	male	26.0	0	0	111369	30.0000	C148	C







Next steps: [Generate code with df](#) [View recommended plots](#) [New interactive sheet](#)

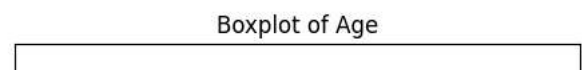
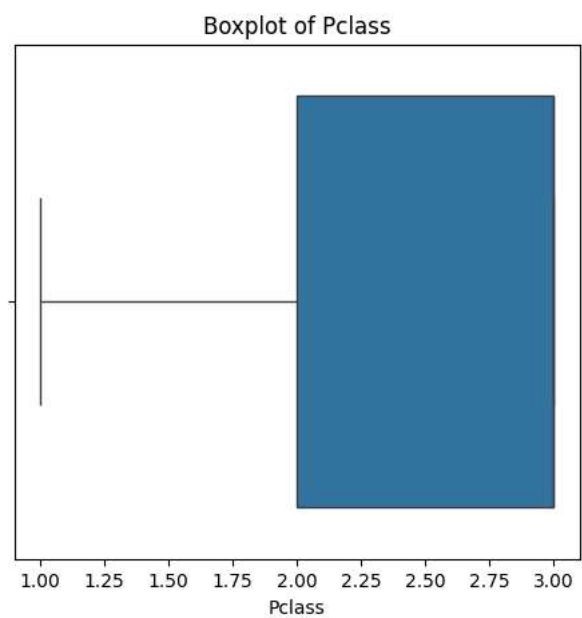
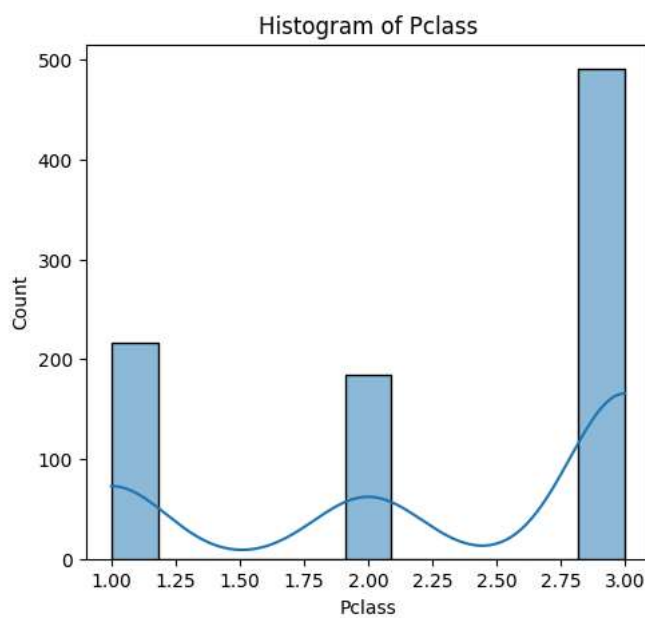
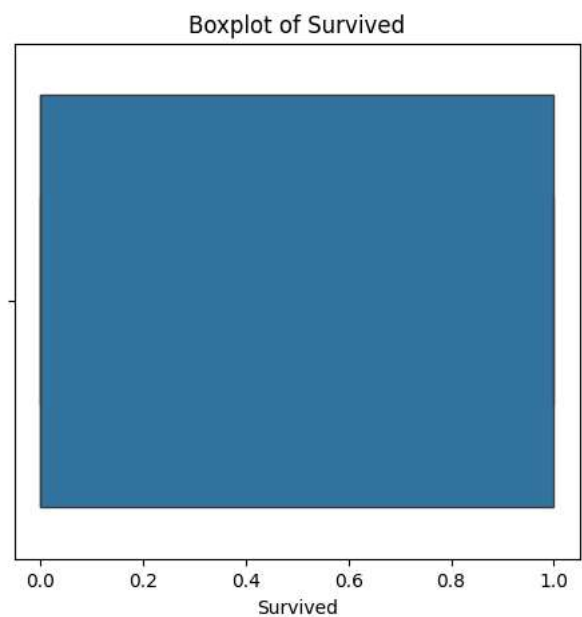
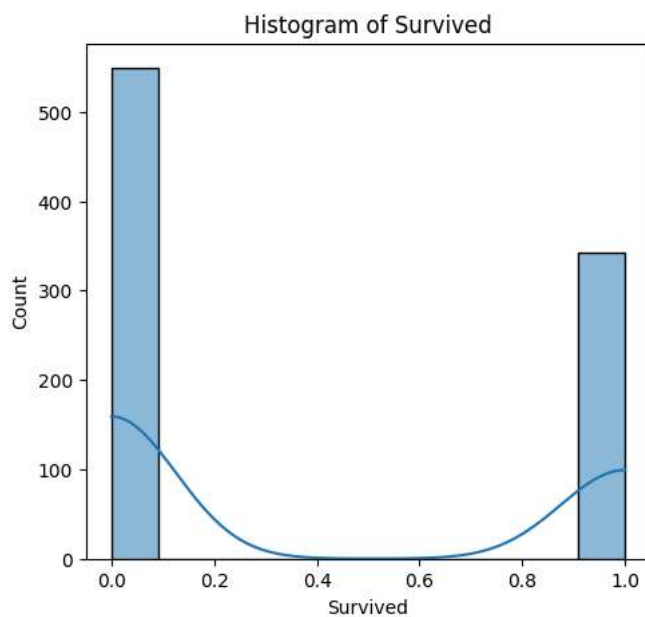
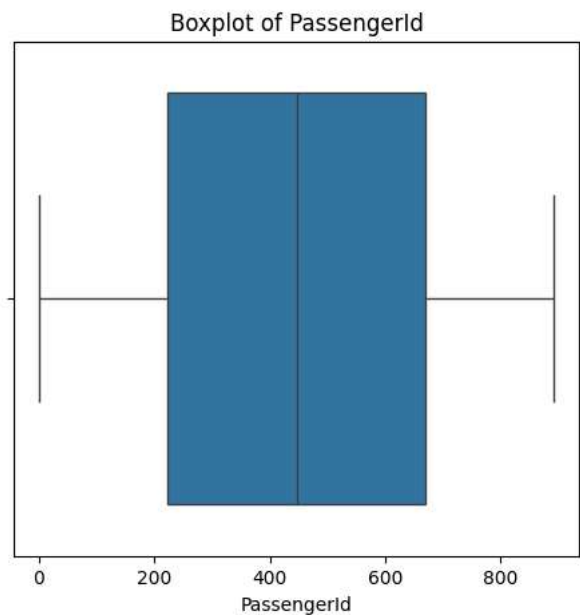
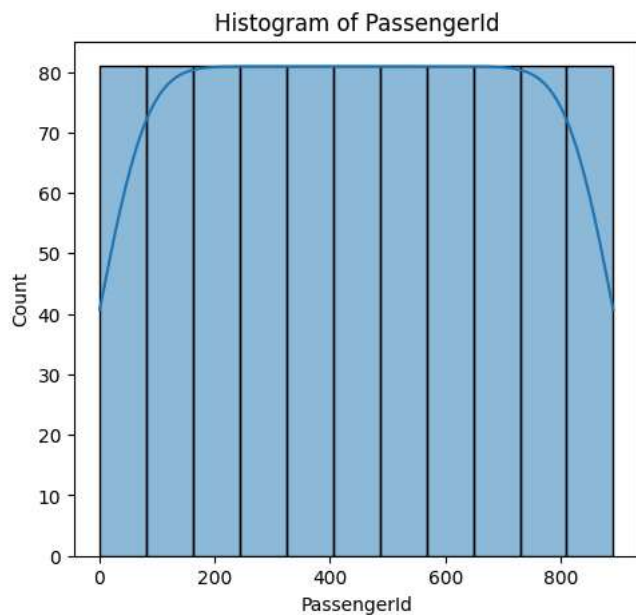
#Step-2 Create histograms and boxplots for numeric features.

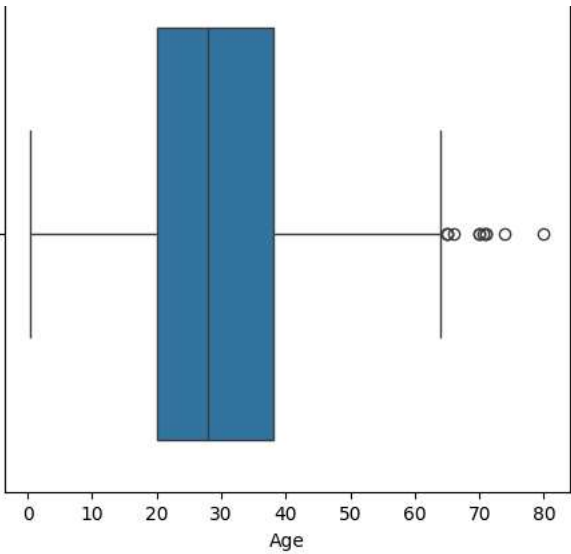
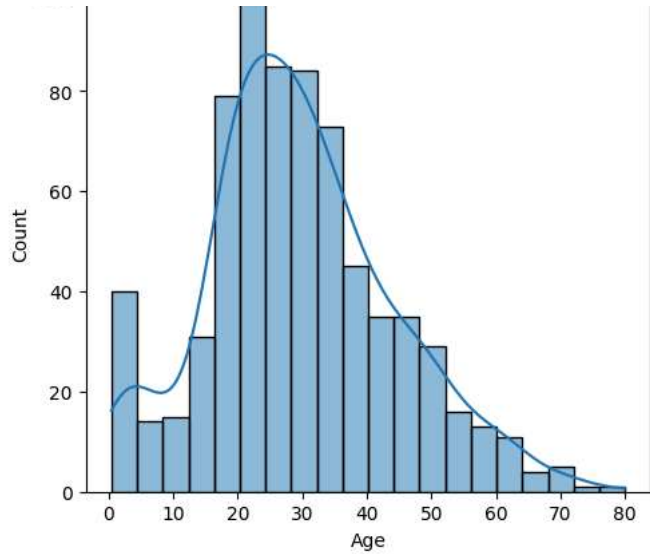
```
import seaborn as sns
import matplotlib.pyplot as plt

numeric_features = df.select_dtypes(include=['int64', 'float64']).columns

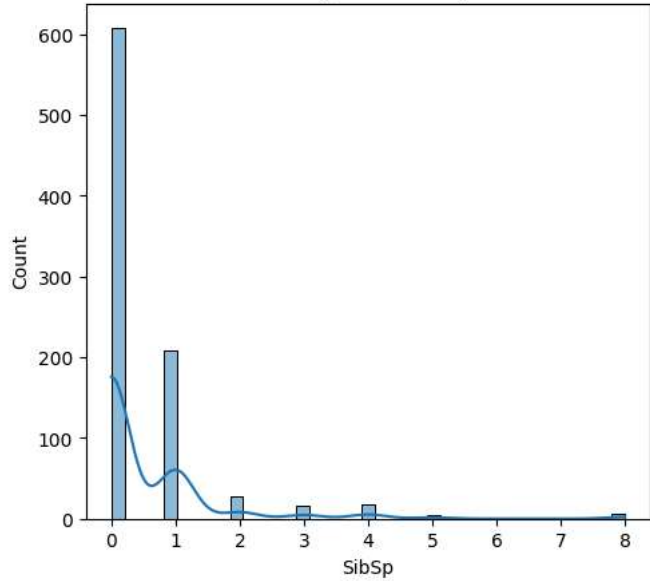
for col in numeric_features:
    plt.figure(figsize=(12, 5))
    plt.subplot(1, 2, 1)
    sns.histplot(df[col].dropna(), kde=True)
    plt.title(f'Histogram of {col}')

    plt.subplot(1, 2, 2)
    sns.boxplot(x=df[col])
    plt.title(f'Boxplot of {col}')
    plt.show()
```

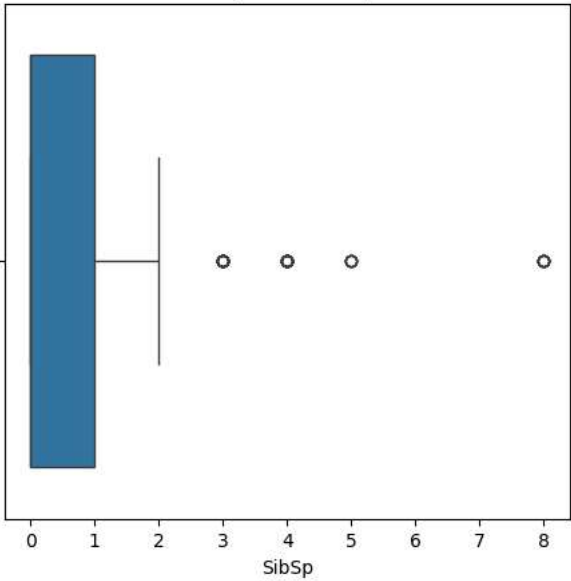




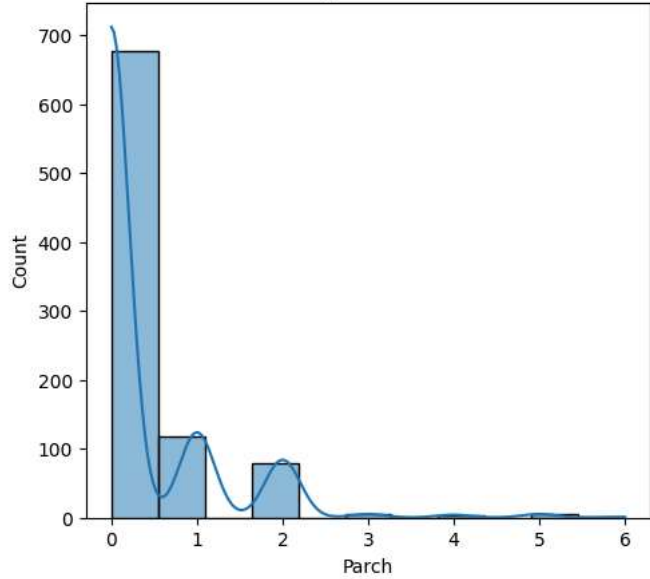
Histogram of SibSp



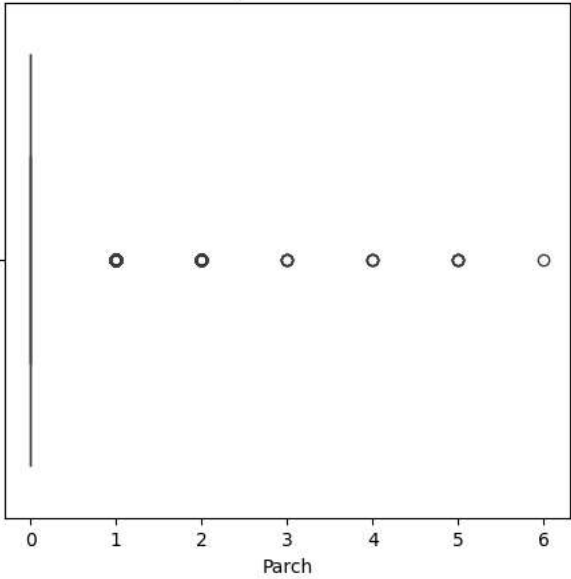
Boxplot of SibSp



Histogram of Parch



Boxplot of Parch



Histogram of Fare



Boxplot of Fare



