

```
Python 3.12.8 (tags/v3.12.8:2dc476b, Dec 3 2024, 19:30:04) [MSC v.1942 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.

>>>

===== RESTART: C:\Users\anusr\OneDrive\Desktop\ELEVATE LABS\TASK-5\eda_task5.py =====
   PassengerId  Survived  Pclass  ...  Fare  Cabin  Embarked
0             1         0       3  ...   7.2500   NaN        S
1             2         1       1  ...  71.2833   C85        C
2             3         1       3  ...   7.9250   NaN        S
3             4         1       1  ...  53.1000  C123        S
4             5         0       3  ...   8.0500   NaN        S

[5 rows x 12 columns]
<class 'pandas.core.frame.DataFrame'>
RangeIndex: 891 entries, 0 to 890
Data columns (total 12 columns):
 #   Column             Non-Null Count  Dtype
---  -
0   PassengerId        891 non-null    int64
1   Survived           891 non-null    int64
2   Pclass             891 non-null    int64
3   Name               891 non-null    object
4   Sex                891 non-null    object
5   Age               714 non-null    float64
6   SibSp             891 non-null    int64
7   Parch             891 non-null    int64
8   Ticket            891 non-null    object
9   Fare              891 non-null    float64
10  Cabin             204 non-null    object
11  Embarked          889 non-null    object
dtypes: float64(2), int64(5), object(5)
memory usage: 83.7+ KB

None
   PassengerId  Survived  Pclass  ...  SibSp  Parch  Fare
count  891.000000  891.000000  891.000000  ...  891.000000  891.000000  891.000000
mean    446.000000    0.383838    2.308642  ...    0.523008    0.381594    32.204208
std     257.353842    0.486592    0.836071  ...    1.102743    0.806057    49.653429
min       1.000000    0.000000    1.000000  ...    0.000000    0.000000    0.000000
25%     223.500000    0.000000    2.000000  ...    0.000000    0.000000    7.910400
50%     446.000000    0.000000    3.000000  ...    0.000000    0.000000   14.454200
75%     666.500000    1.000000    3.000000  ...    1.000000    0.000000   31.000000
max     891.000000    1.000000    3.000000  ...    8.000000    6.000000  512.329200

[8 rows x 7 columns]
Index(['PassengerId', 'Survived', 'Pclass', 'Name', 'Sex', 'Age', 'SibSp',
      'Parch', 'Ticket', 'Fare', 'Cabin', 'Embarked'],
      dtype='object')
PassengerId
0
```

Ln: 60 Col: 0

```
dtype='object')
PassengerId      0
Survived          0
Pclass           0
Name             0
Sex              0
Age             177
SibSp            0
Parch            0
Ticket           0
Fare             0
Cabin           687
Embarked         2
dtype: int64
```

Figure 1

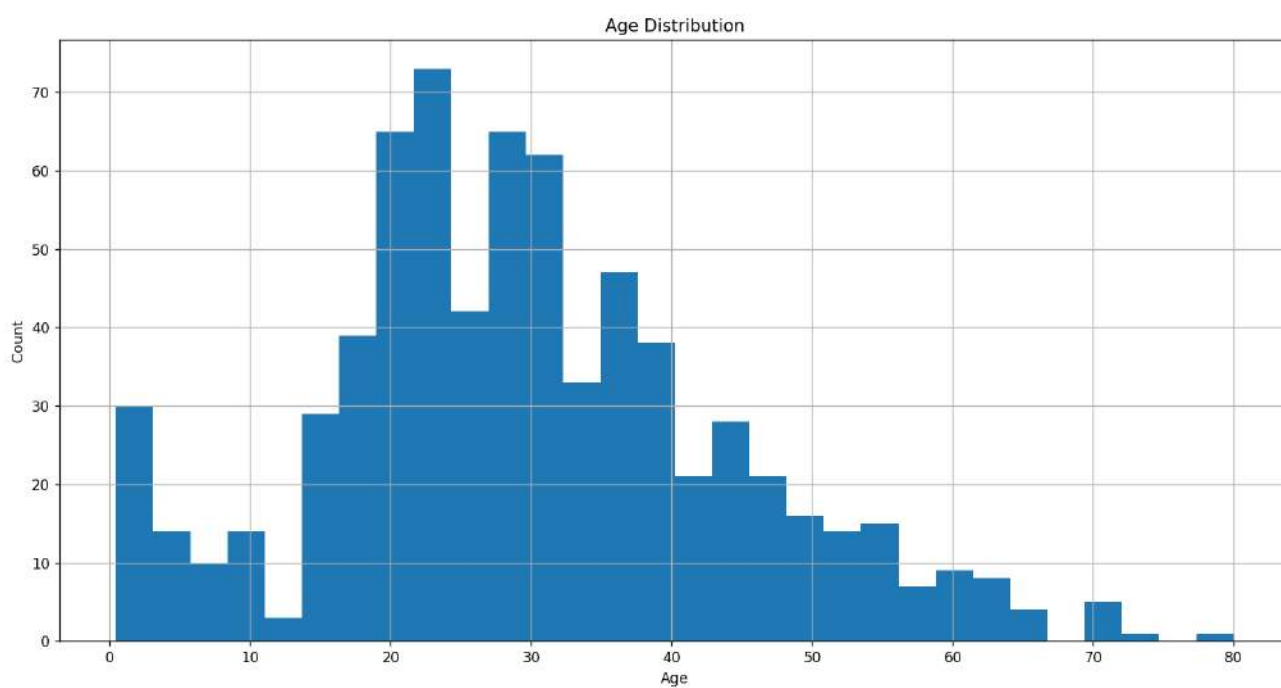


Figure 1

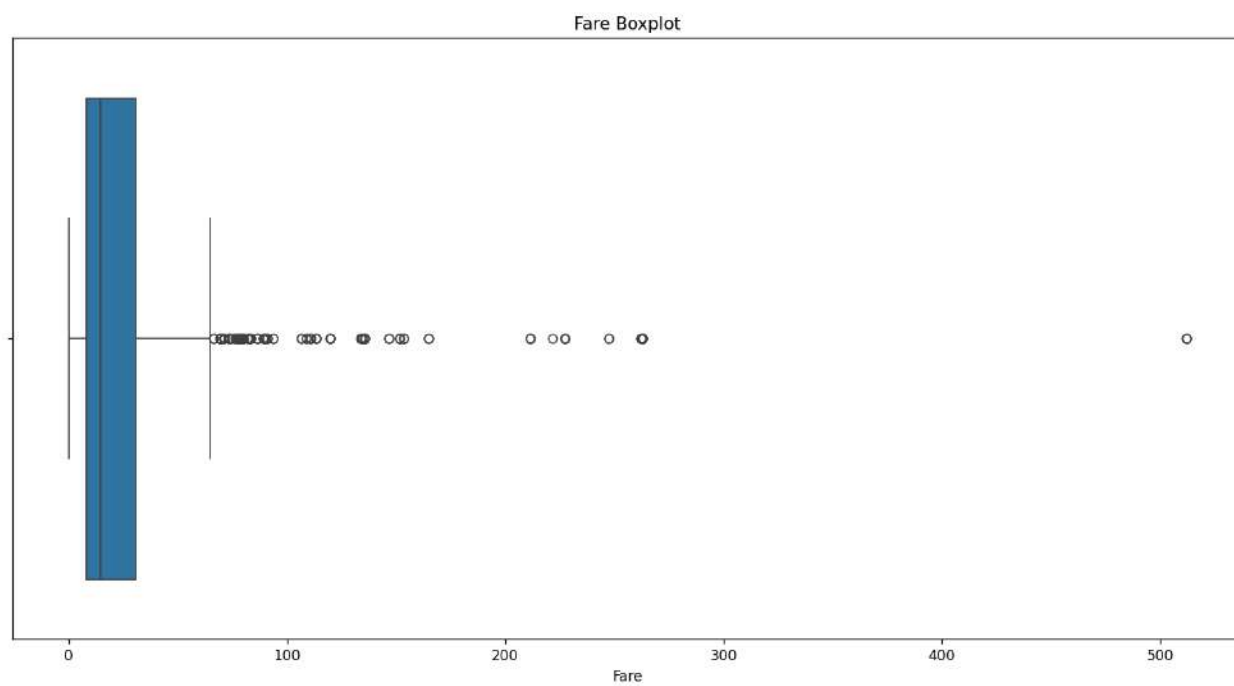
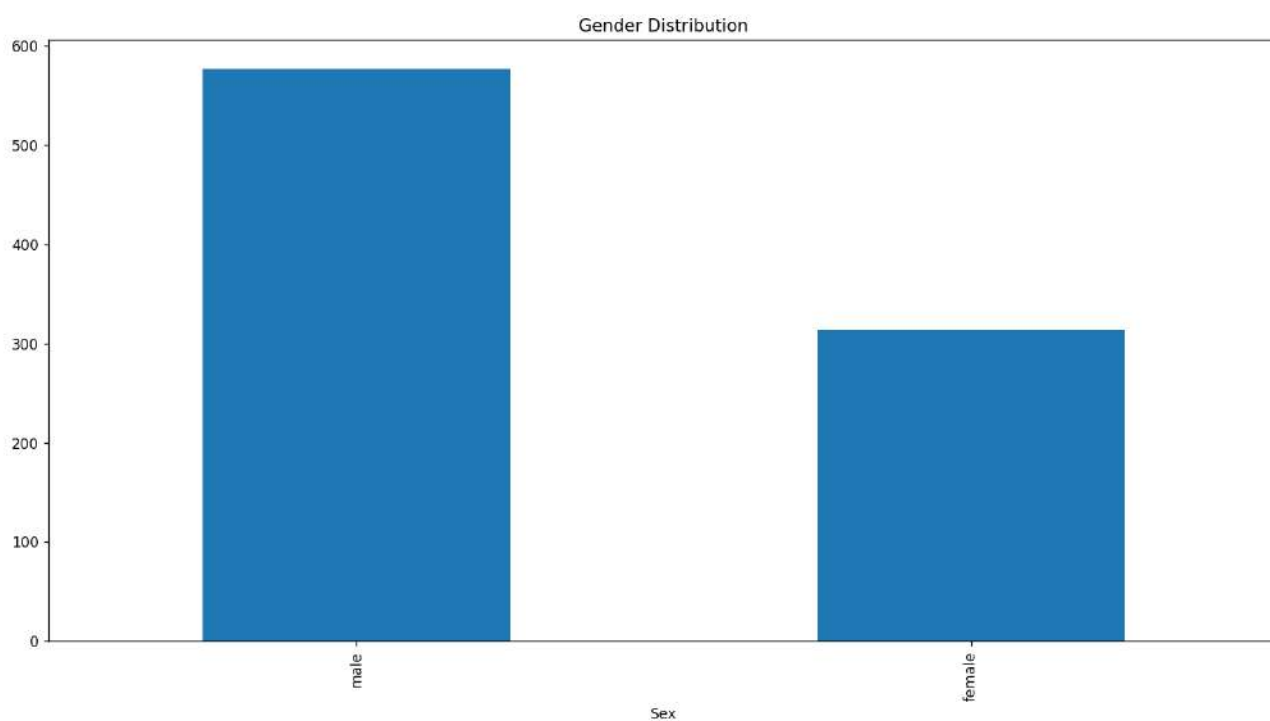
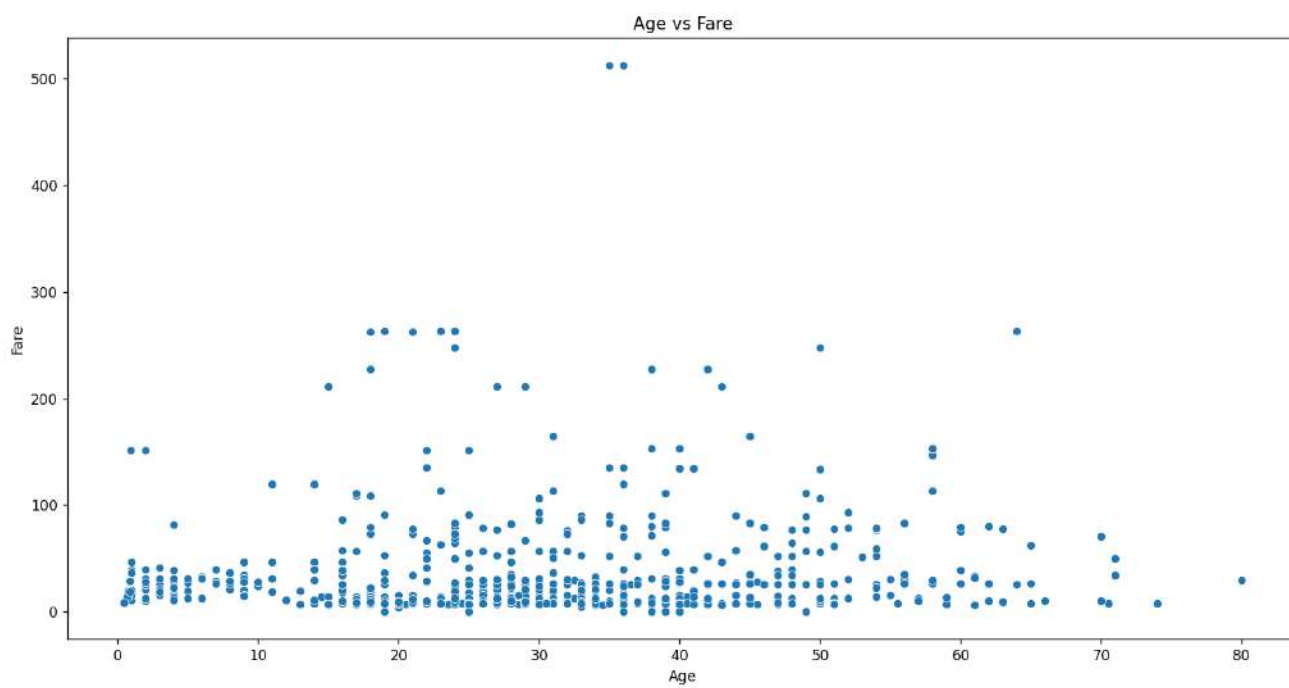


Figure 1



(x, y) = (, 152.9)

Figure 1



(x, y) = (69.62, 236.9)

Figure 1

