**Titanic Dataset Visualization - Celebal Internship**

Passenger Count

Number of Passengers

Did Not Survive

Survived

Survival Status

0

100

200

300

400

500

549

340

Overall Survival Count

male

female

Gender

0

100

200

300

400

Passenger Count

468

81

109

231

Survival by Gender

Survived

No

Yes

0

10

20

30

40

50

60

70

80

Age

0

50

100

150

200

250

Age Distribution of Passengers

st Class

1

2

nd Class

rd Class

3

Passenger Class

0

50

100

150

200

250

300

350

Passenger Count

80

97

372

134

87

119

Survival by Passenger Class

Survived

0

1

*Source: Titanic Dataset | Created by Debargha Karmakar, Celebal Summer Internship*

Feature Correlation Heatmap

1.0

PassengerId

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| 1.00 | -0.01 | -0.04 | 0.03 | -0.06 | -0.00 | 0.01 |
| -0.01 | 1.00 | -0.34 | -0.07 | -0.03 | 0.08 | 0.26 |
| -0.04 | -0.34 | 1.00 | -0.34 | 0.08 | 0.02 | -0.55 |
| 0.03 | -0.07 | -0.34 | 1.00 | -0.23 | -0.17 | 0.09 |
| -0.06 | -0.03 | 0.08 | -0.23 | 1.00 | 0.41 | 0.16 |
| -0.00 | 0.08 | 0.02 | -0.17 | 0.41 | 1.00 | 0.22 |
| 0.01 | 0.26 | -0.55 | 0.09 | 0.16 | 0.22 | 1.00 |

0.8



Survived

0.6

Pclass

0.4

Age0.2

SibSp0.0

Parch0.2

Fare0.4

PassengerId

Survived

Pclass

Age

SibSp

Parch

Fare