TITANIC

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Agenda

Introduction

Titanic

- British ship

  Destination: New York

- 2,224 people on board

  891 passengers (registered)

  1,500 deaths

- Collision with the iceberg on April 14, 1912

BELFAST (CONSTRUCTION)

QUEENSTOWN

SOUTHHAMPTON (START)

CHERBOURG

ICEBERG WARNINGS

NEW-YORK CITY

WRECK SITE
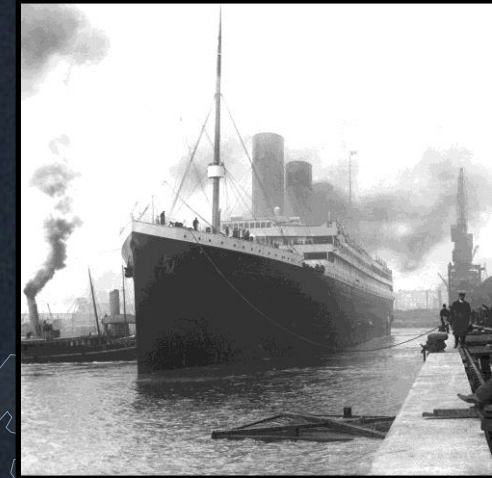
Data Processing

- Age : 20% null values.
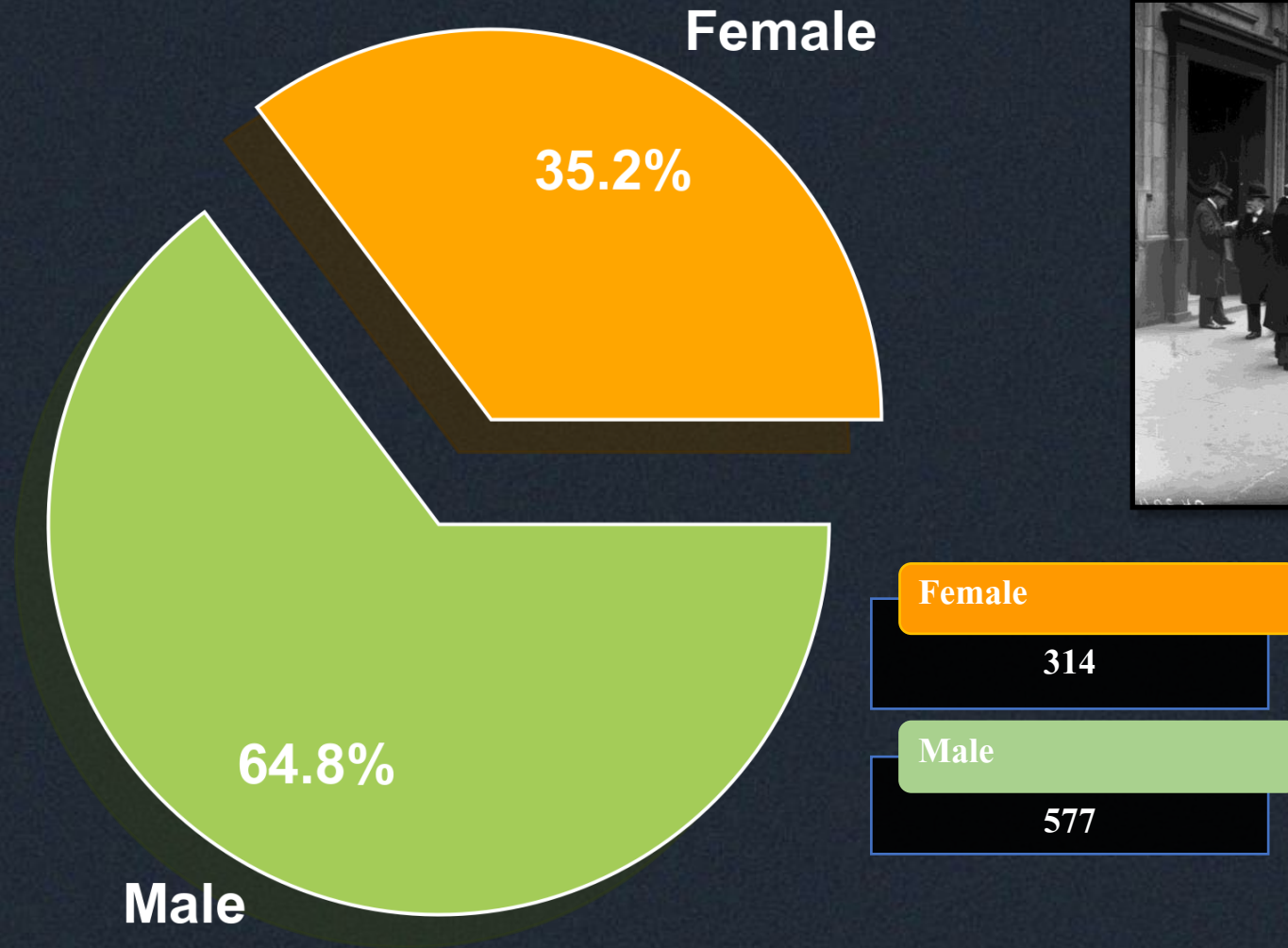
  Average calculated by gender.

- Cabin : 77% null values

- Embarked 0.002% null values.

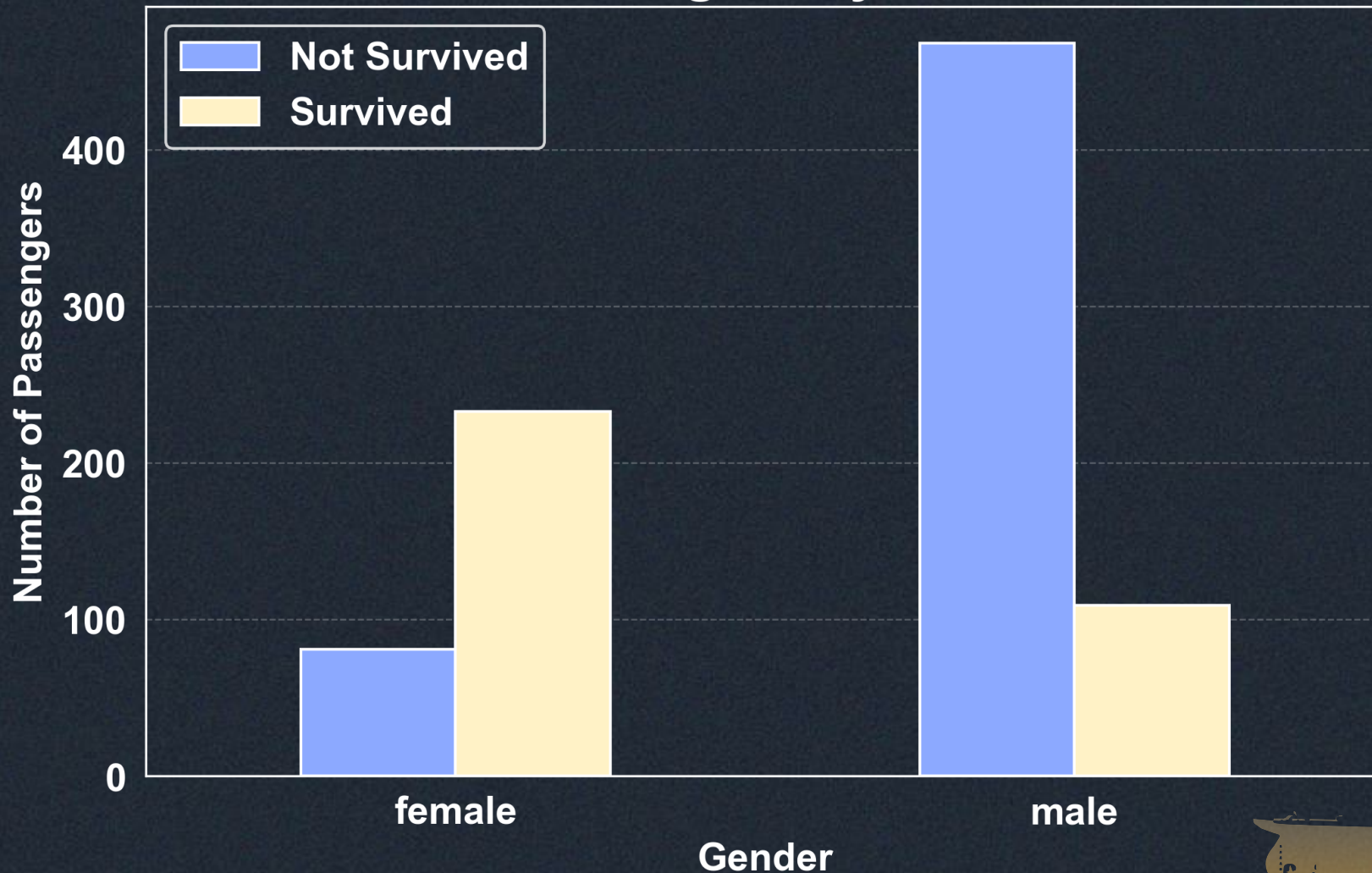 Null values replaced by the most frequent one.

- Family size :

  SibSp + Parch + 1

Distribution of Passengers by Gender

Female

35.2%

Male

64.8%

Female	
314	

Male	
577	

Distribution of Survival by Gender

Distribution of Passengers by Gender and Survival
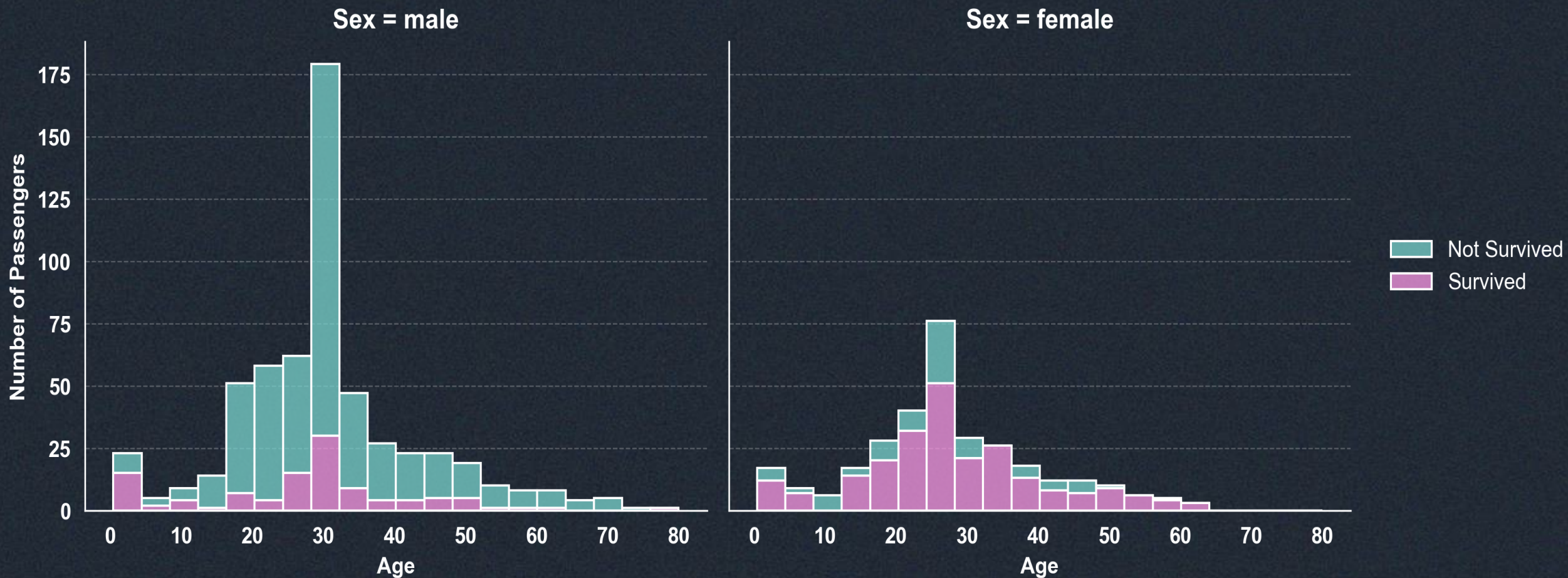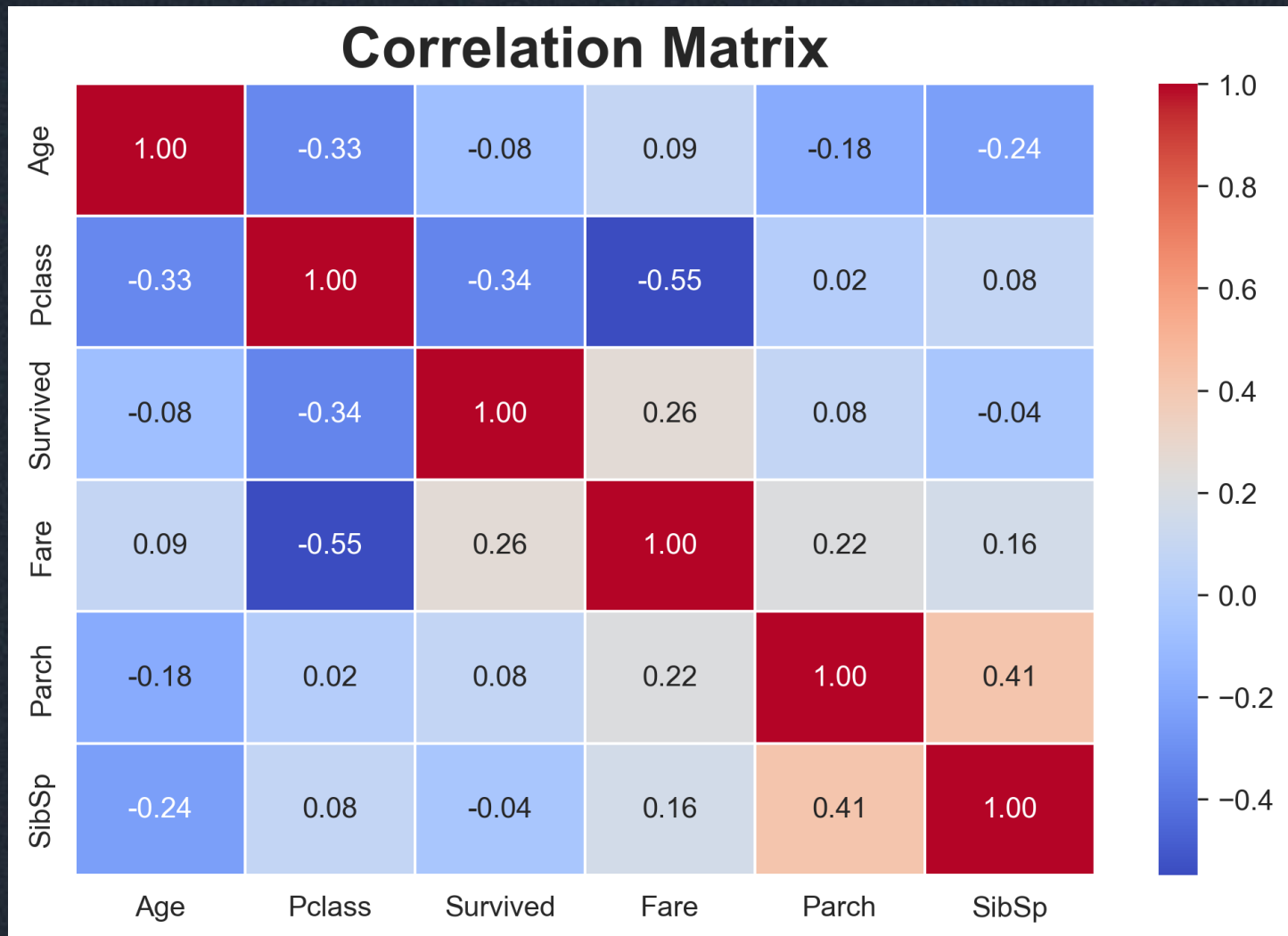
Male

- Survived – 109

- Not survived - 468

Female

- Survived – 233

- Not Survived - 81

Age Distribution of Passengers by Gender and Survival

Correlation Matrix

Survival Rate per Class (%)

Survival rate per class (%)
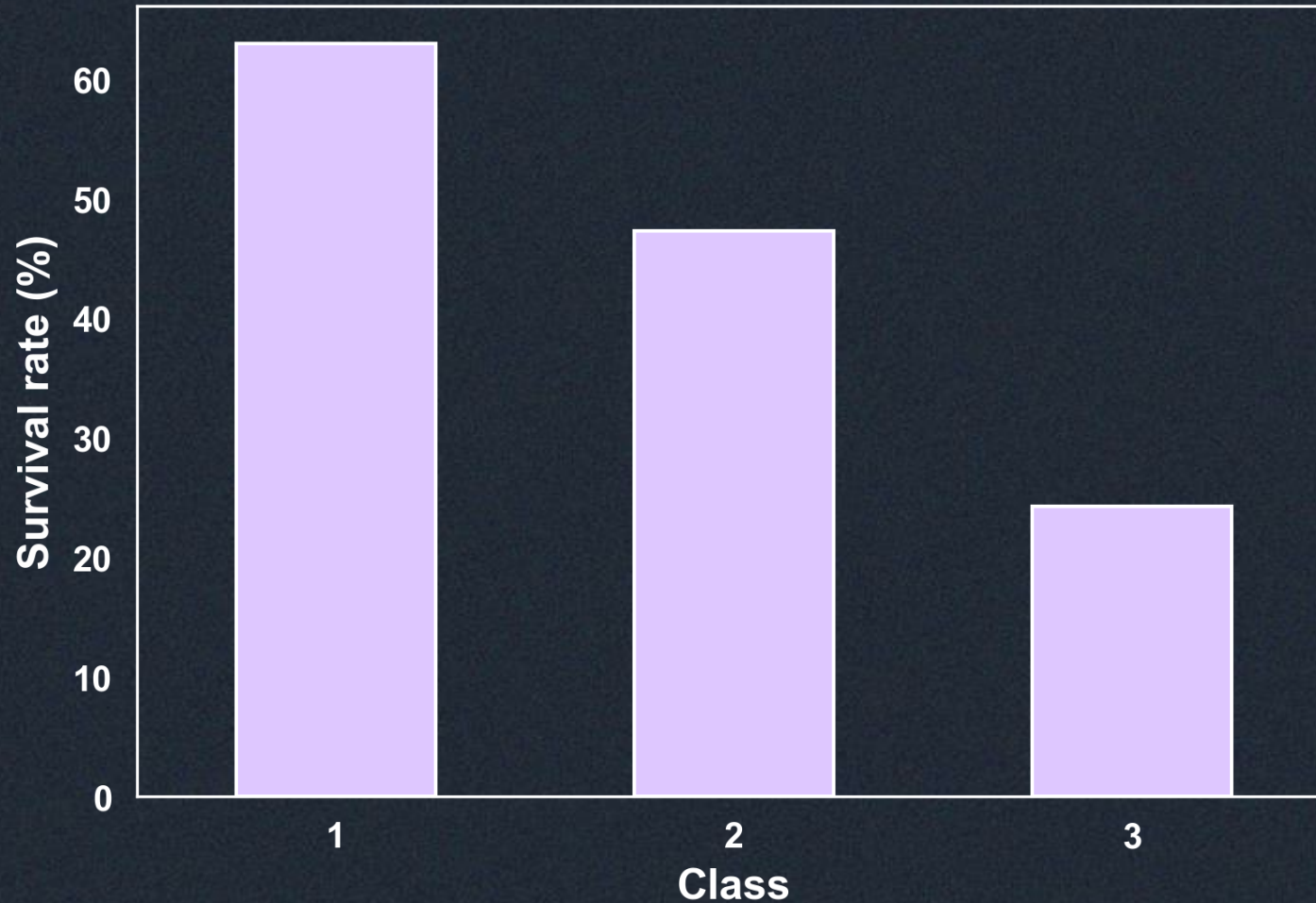
Total Passengers per Class

1st Class - 216

2nd Class - 184

3rd Class - 491

Total Passengers Survived per Class
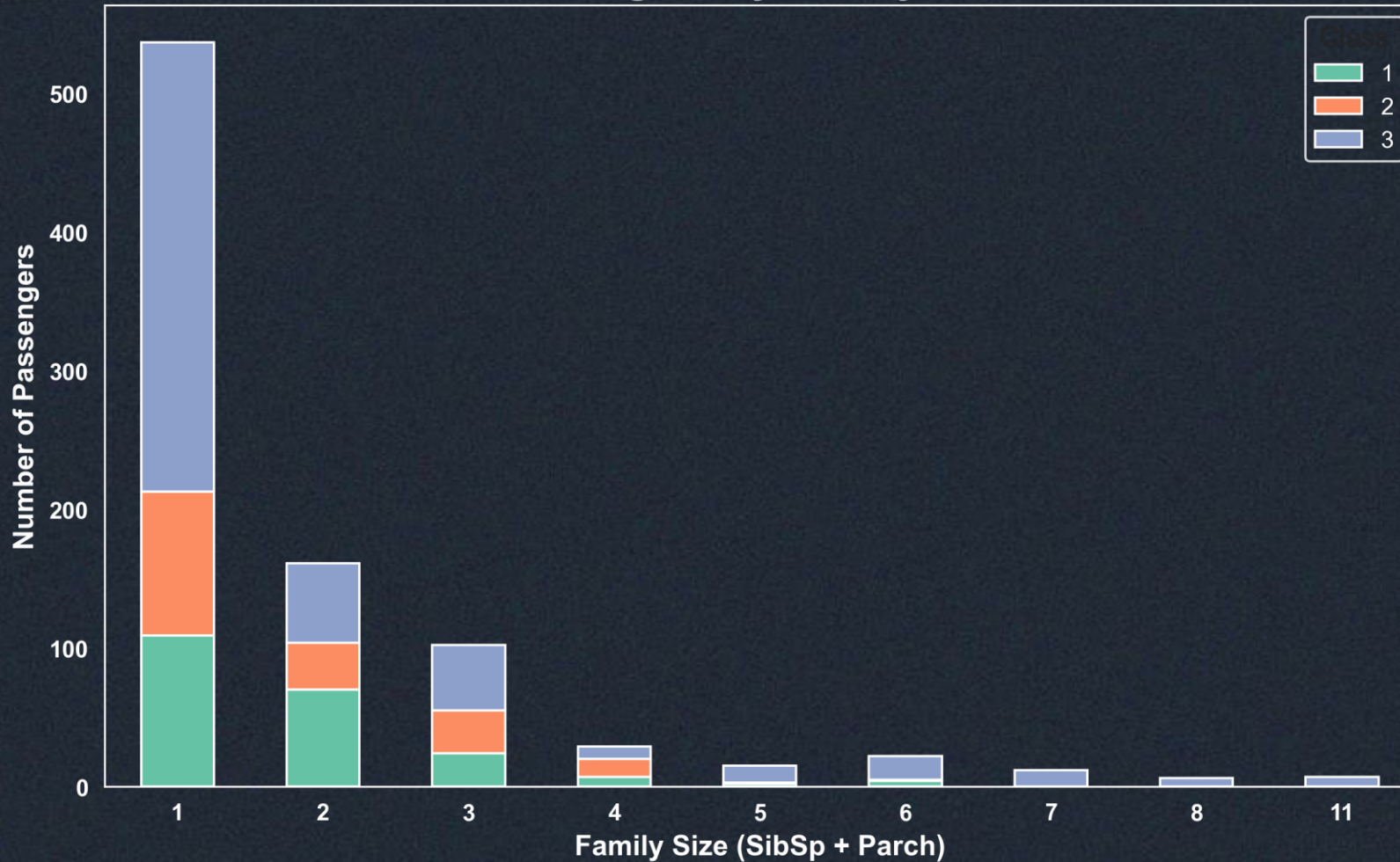
1st Class - 136

2nd Class - 87

3rd Class - 119

Count of Passengers by Family Size and Class

Count of Passengers by Family Size and Class

1 passenger

Most in the 3rd class

60% of the passengers

2 to 4 Passengers
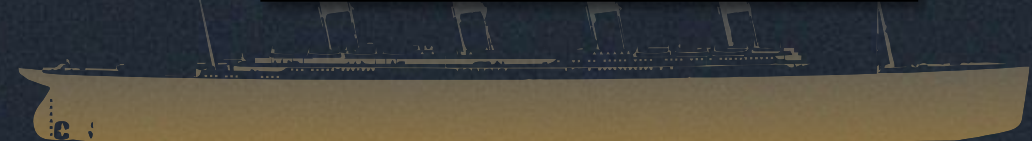
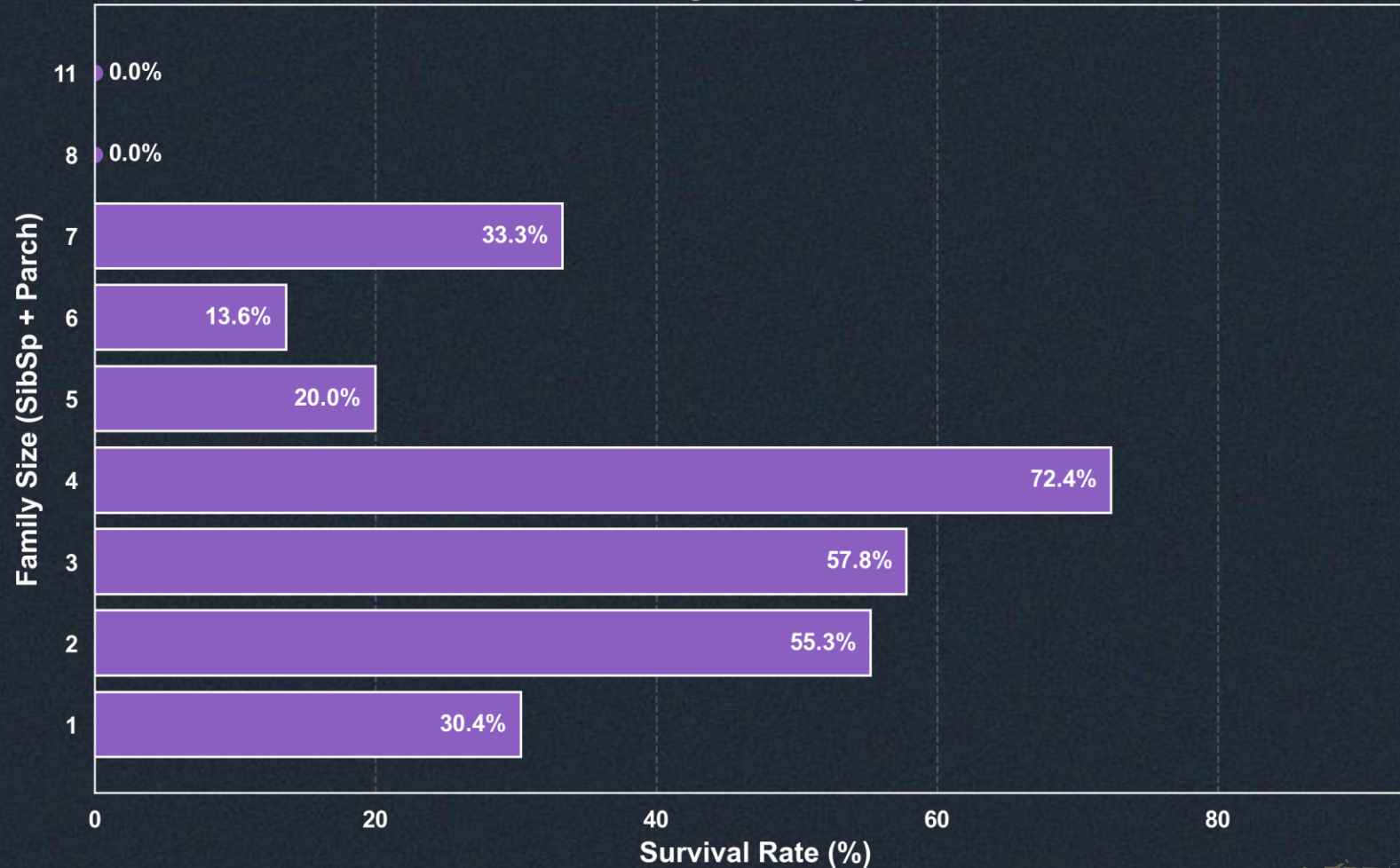Distributed equally by the 3 classes

5 to 11 passengers

Most in 3rd class

Survival Rate by Family Size on Board

Survival Rate by Family Size Aboard

Conclusion

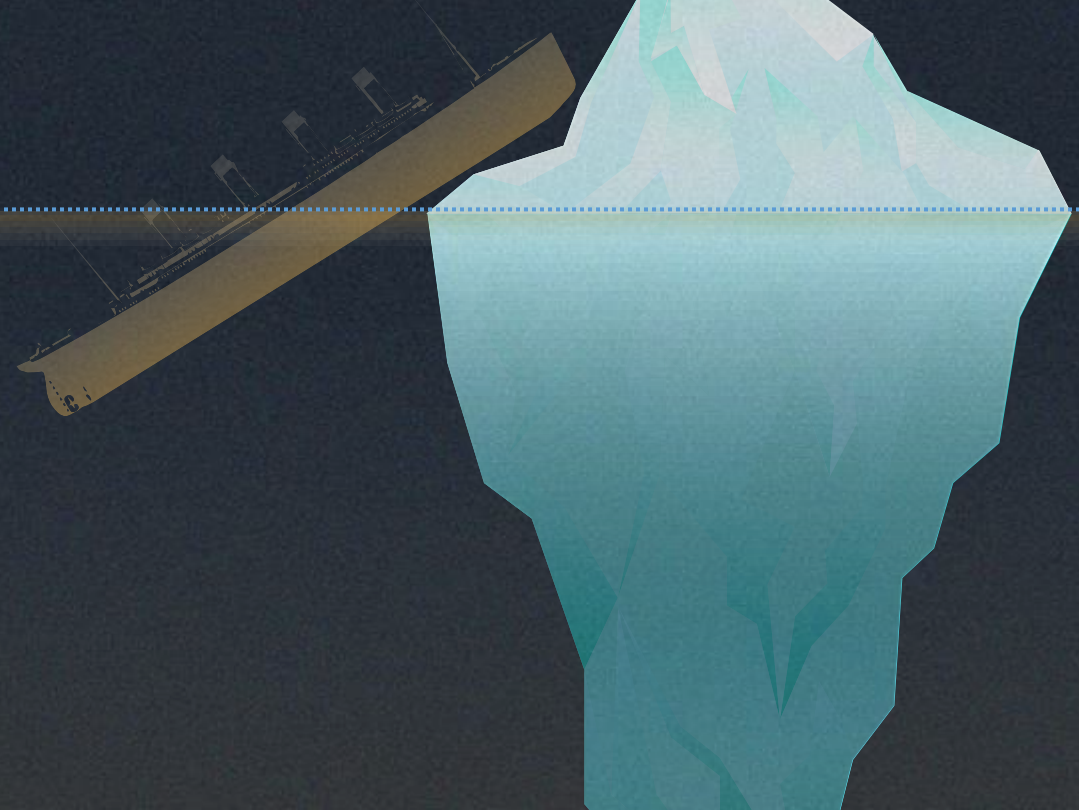**Most of the survivors:**
- 1st Class
- Children
- Women

➡

Most of passengers the traveled alone

➡

Family of 4 are the one with the highest percentage of survivors

➡

342 Survivor´s

THANKS