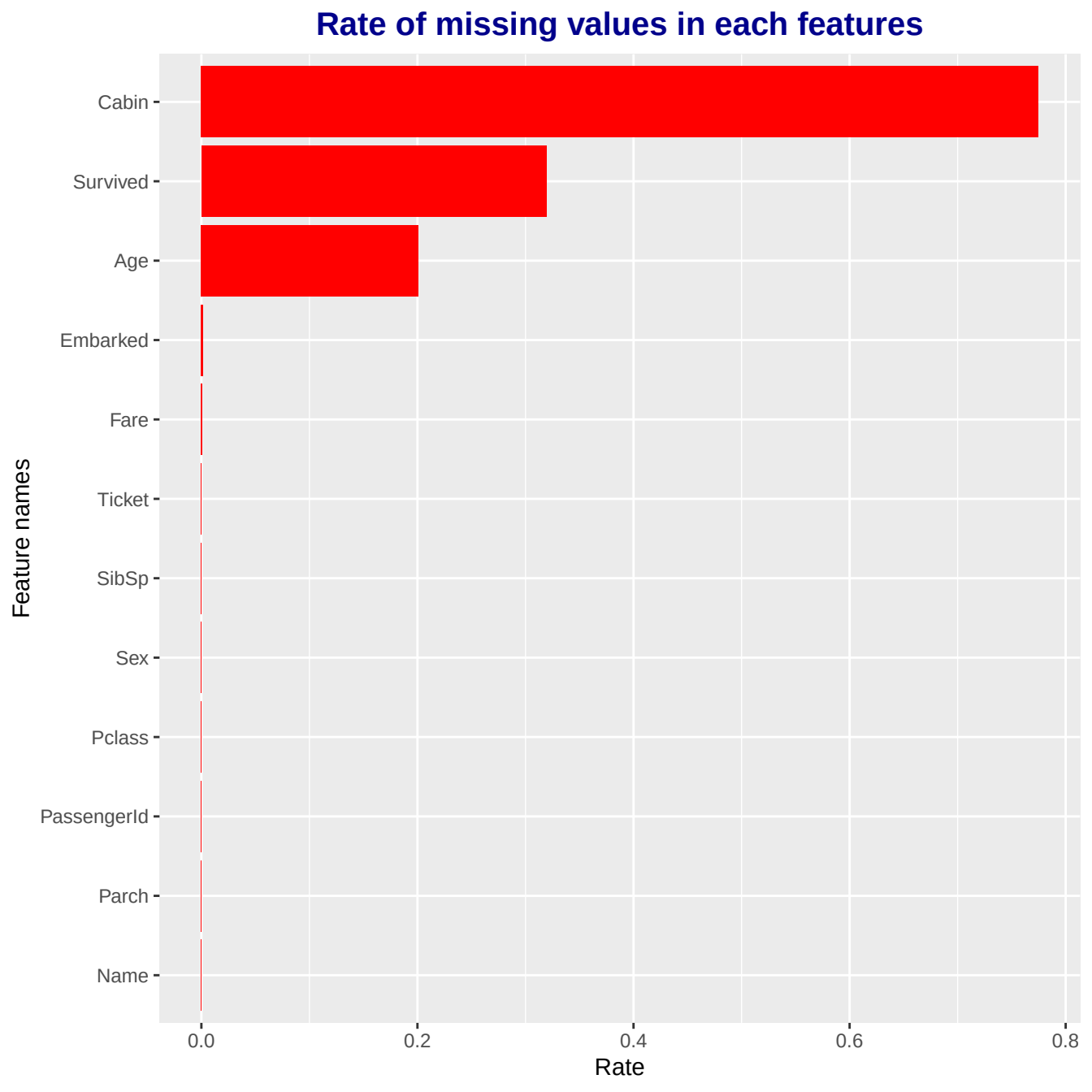
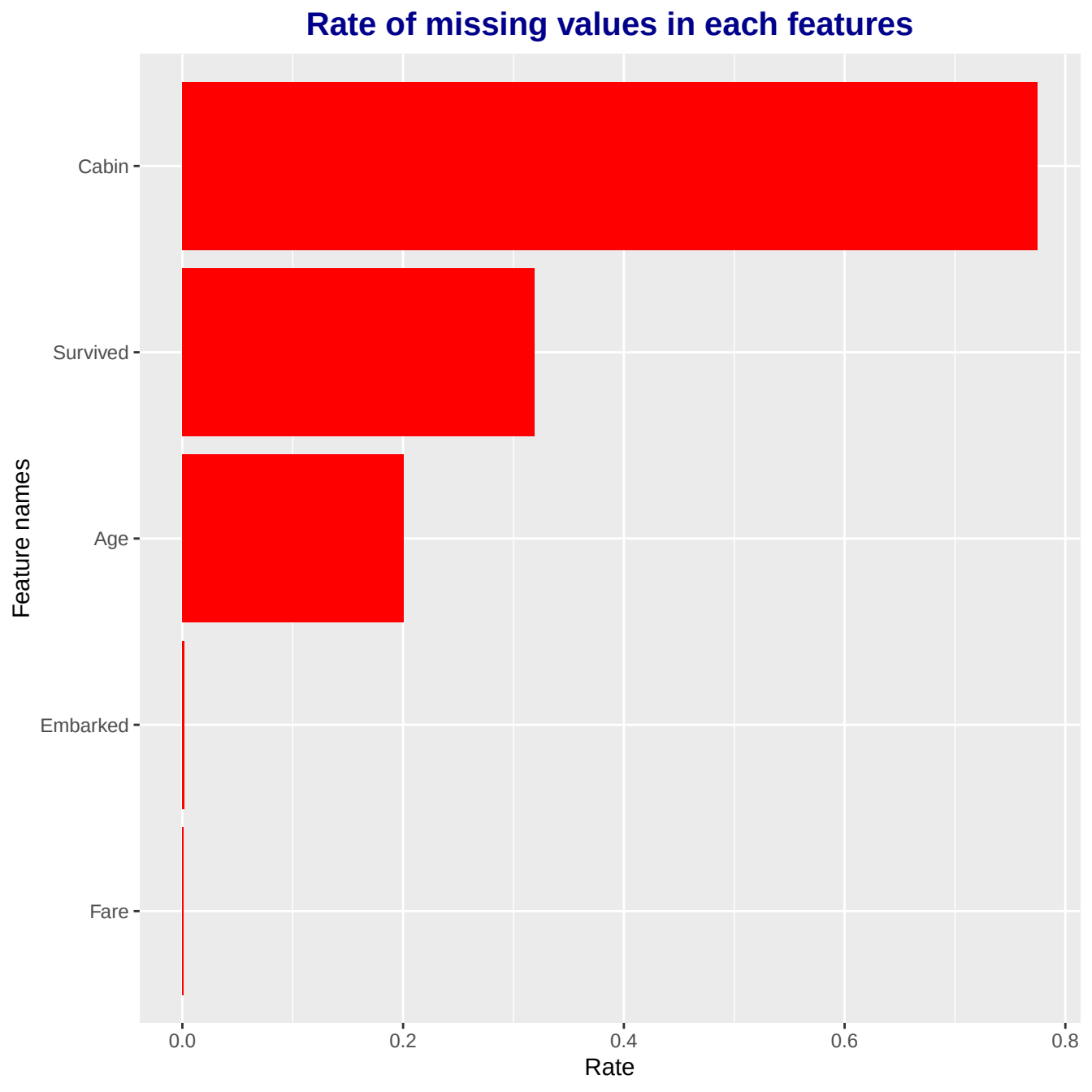
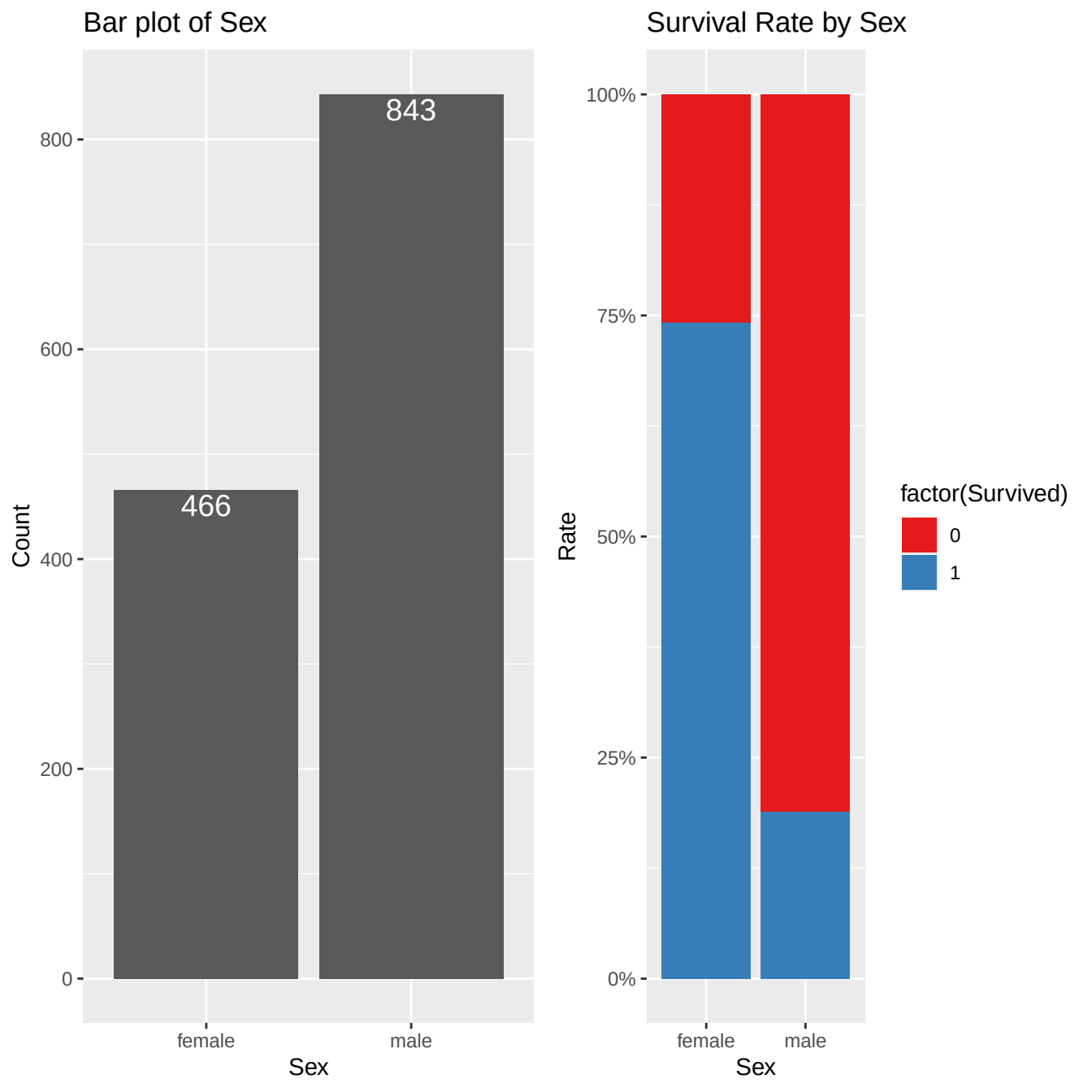
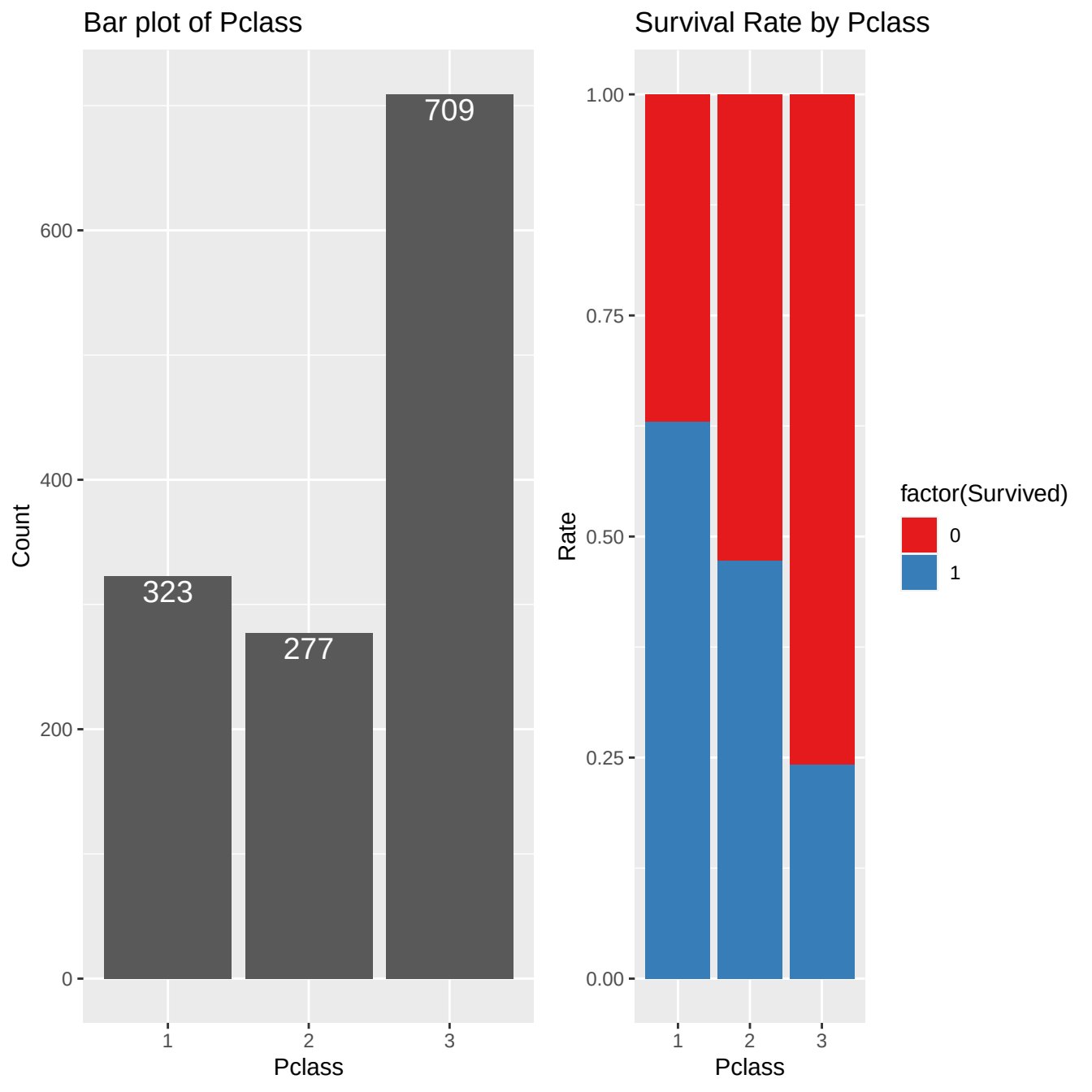
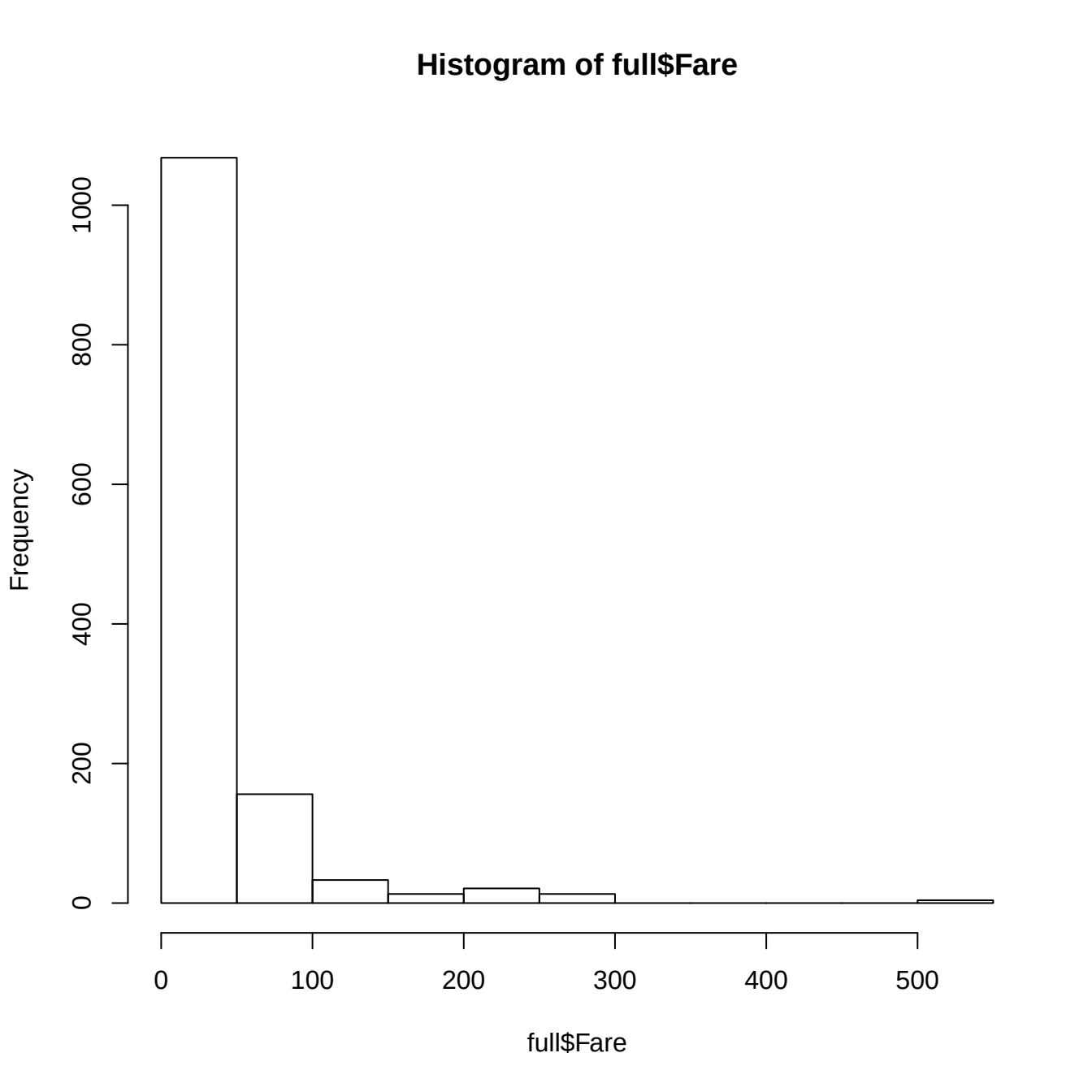
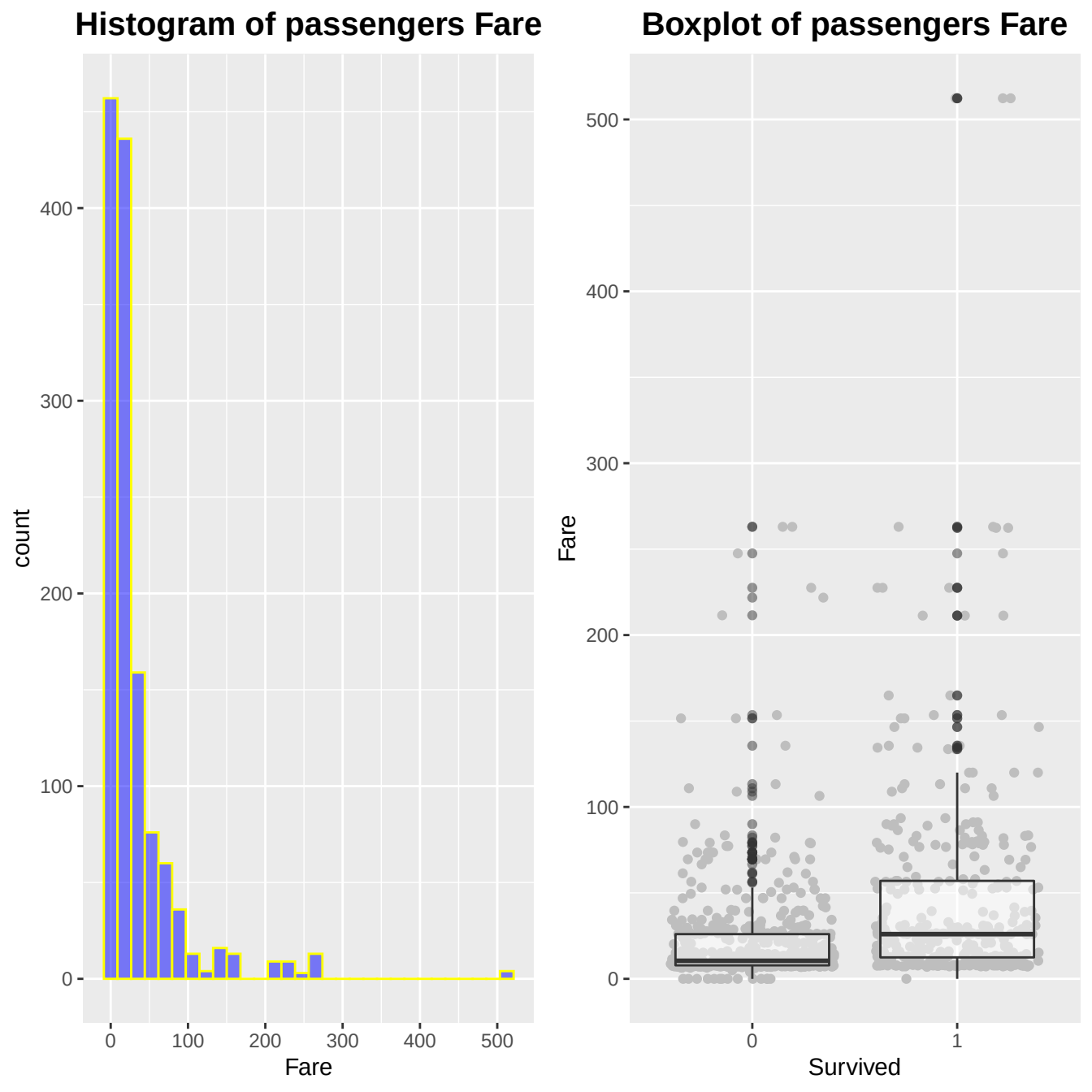

Rate of missing values in each features
Cabin
Survived
Age
Embarked
Fare
Ticket
SibSp
Sex
Pclass
PassengerId
Parch
Name
Feature names
0.0
0.2
0.4
0.6
0.8
Rate

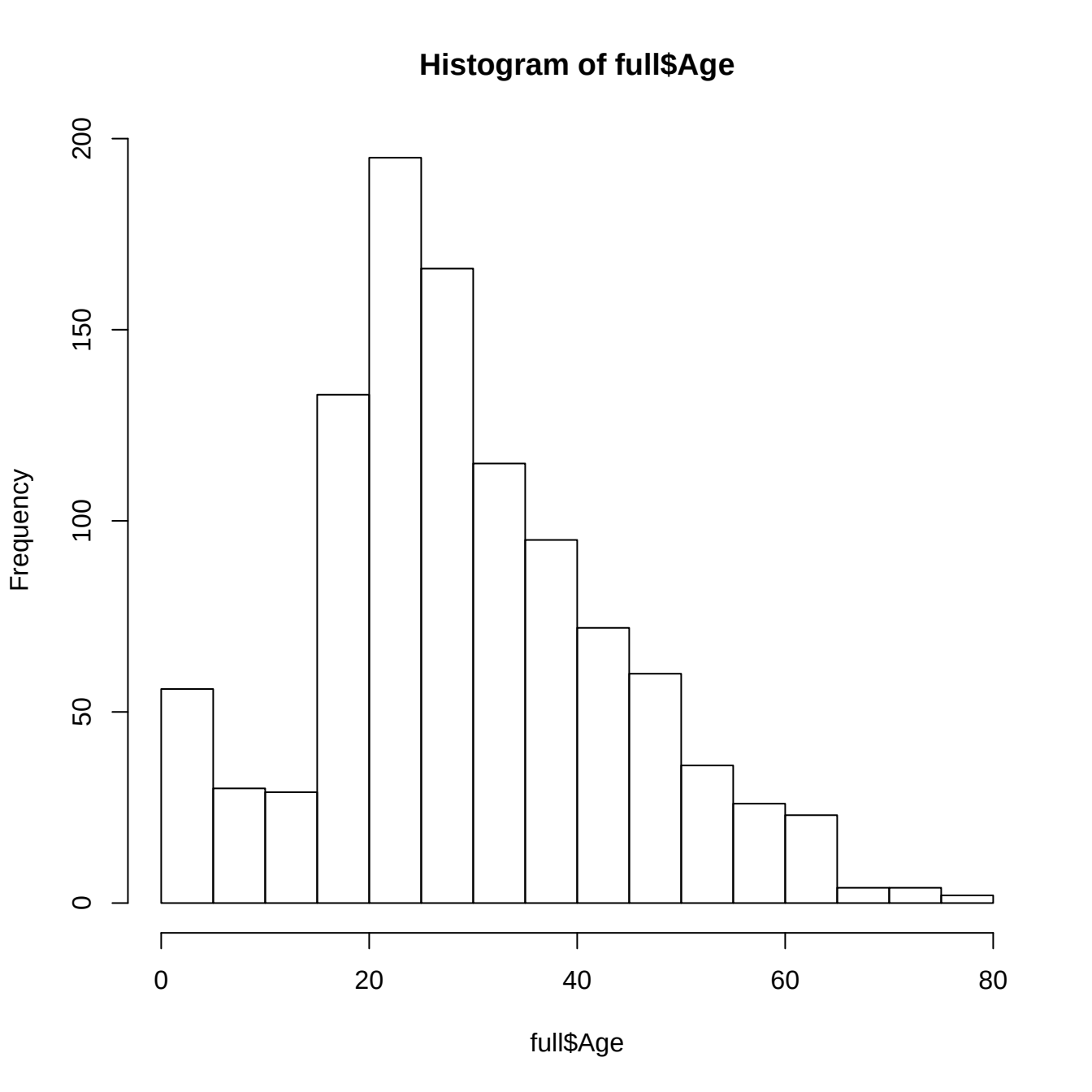

Rate of missing values in each features
Cabin
Survived
Age
Embarked
Fare
Feature names
0.0
0.2
0.4
0.6
0.8
Rate

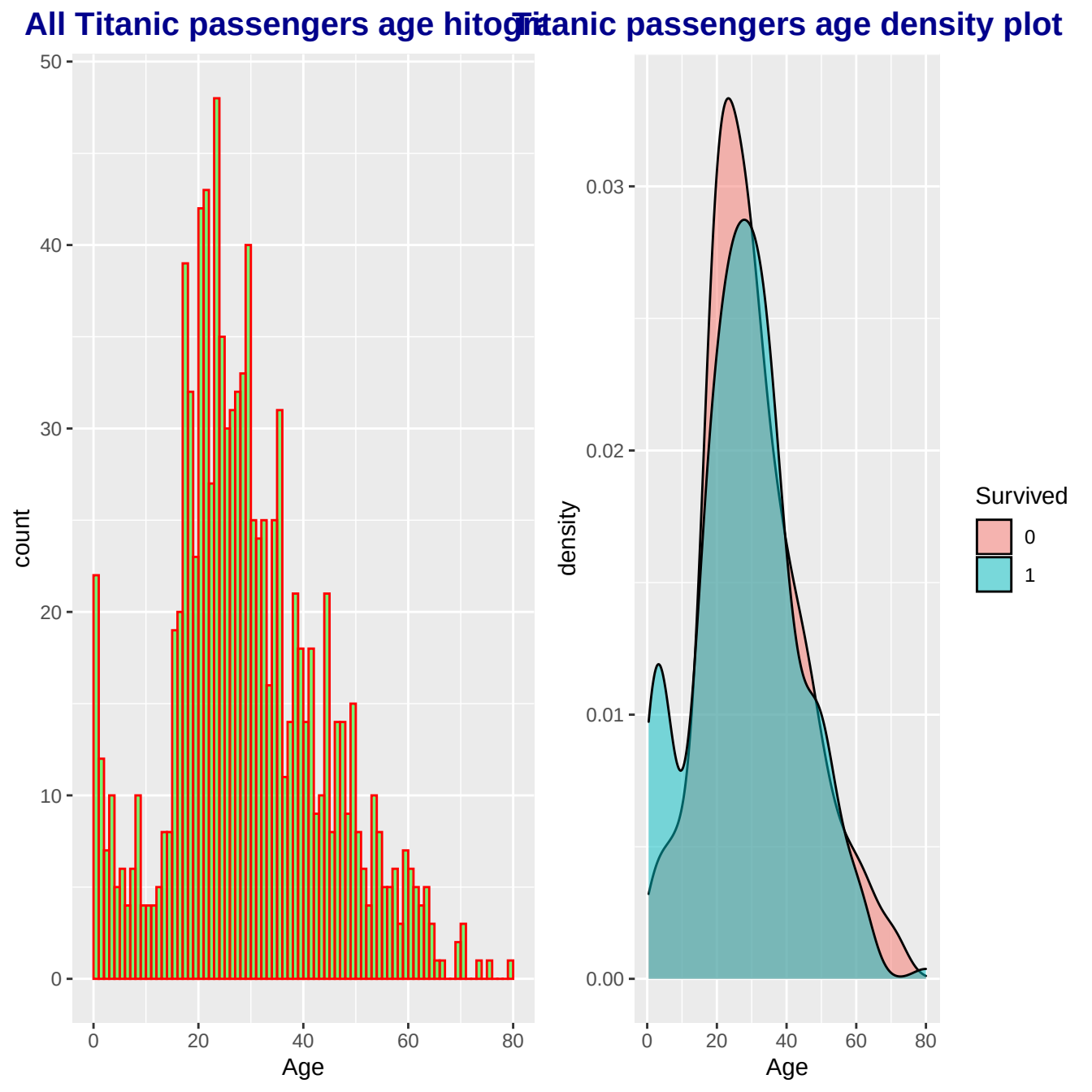

Bar plot of Sex
Count
800
600
400
200
0
466
843
female
male
Sex
Survival Rate by Sex
Rate
100%
75%
50%
25%
0%
female
male
Sex
factor(Survived)
0
1

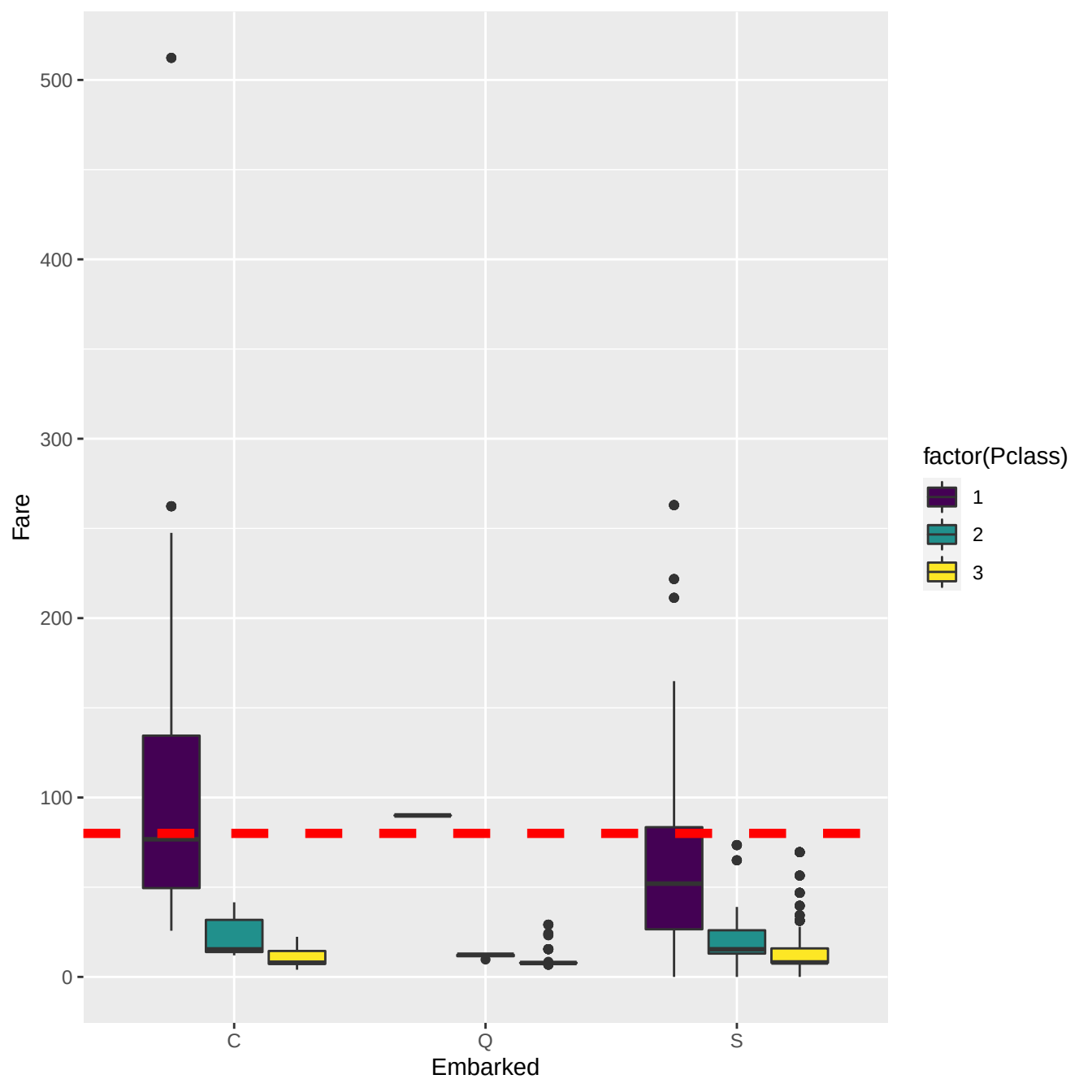

Bar plot of Pclass
Count
600
400
200
0
323
277
709
1
2
3
Pclass
Survival Rate by Pclass
Rate
1.00
0.75
0.50
0.25
0.00
1
2
3
Pclass
factor(Survived)
0
1

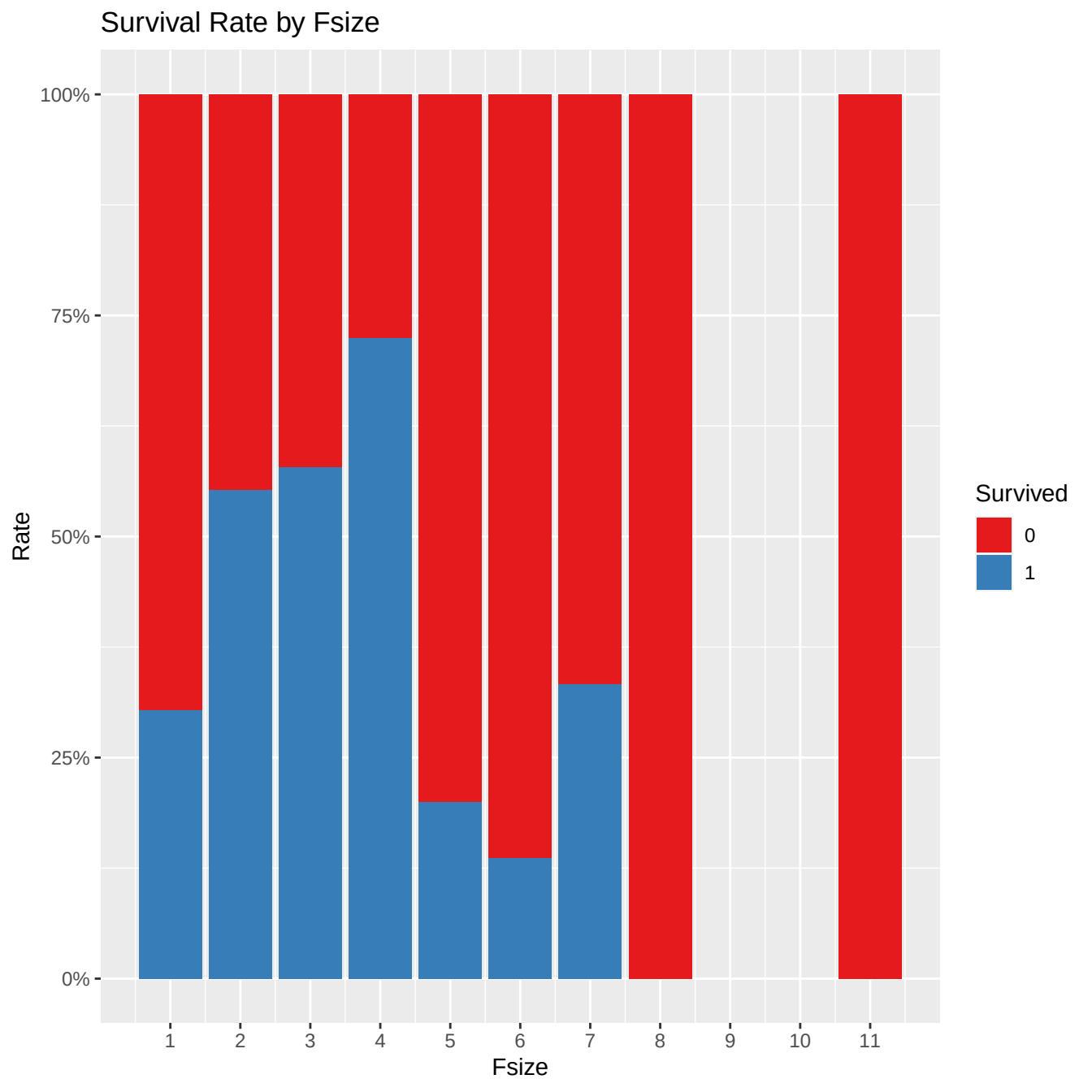

Histogram of full$Fare
Frequency
0
200
400
600
800
1000
0
100
200
300
400
500
full$Fare

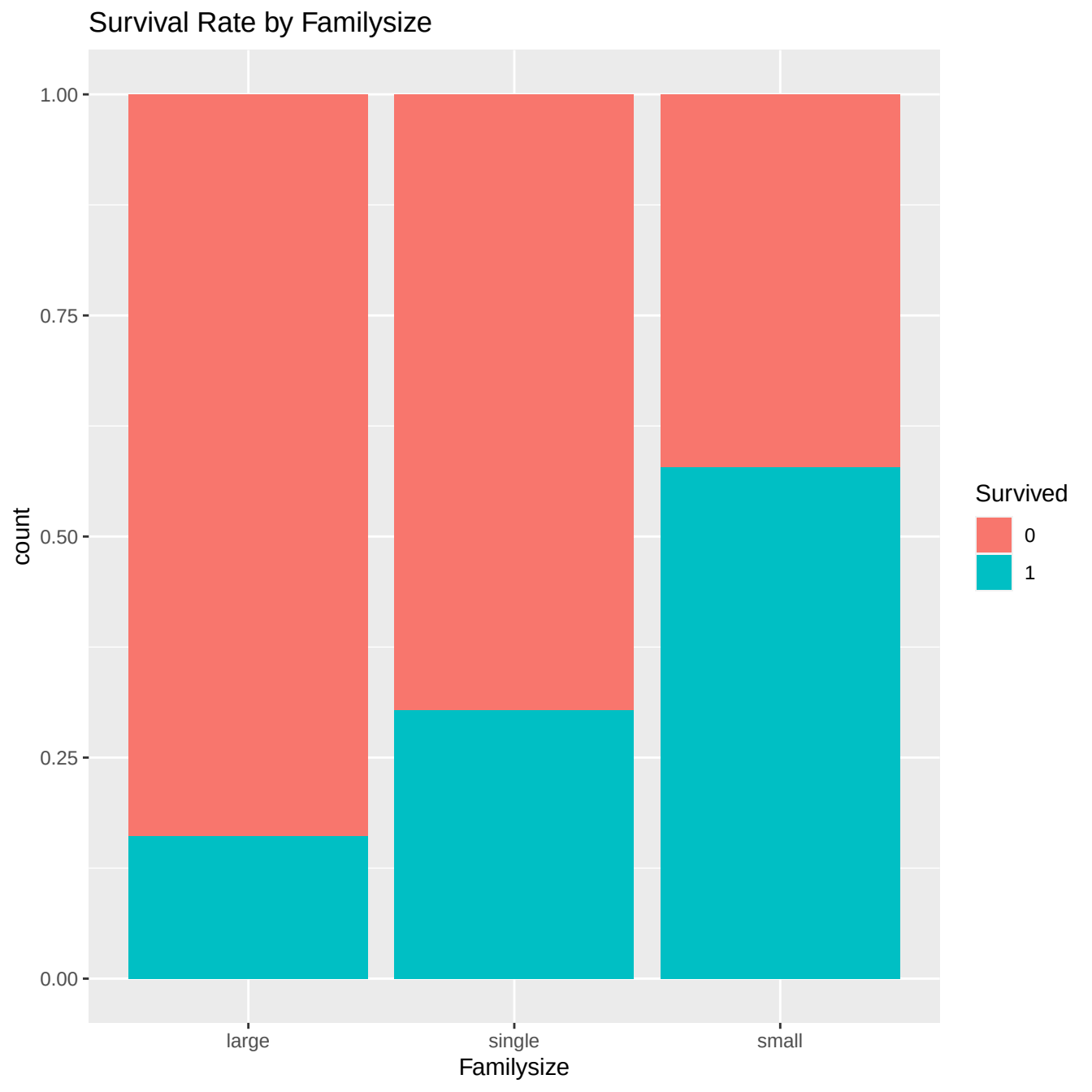

Histogram of passengers Fare
count
Fare
0
100
200
300
400
500
Boxplot of passengers Fare
Fare
Survived
0
1

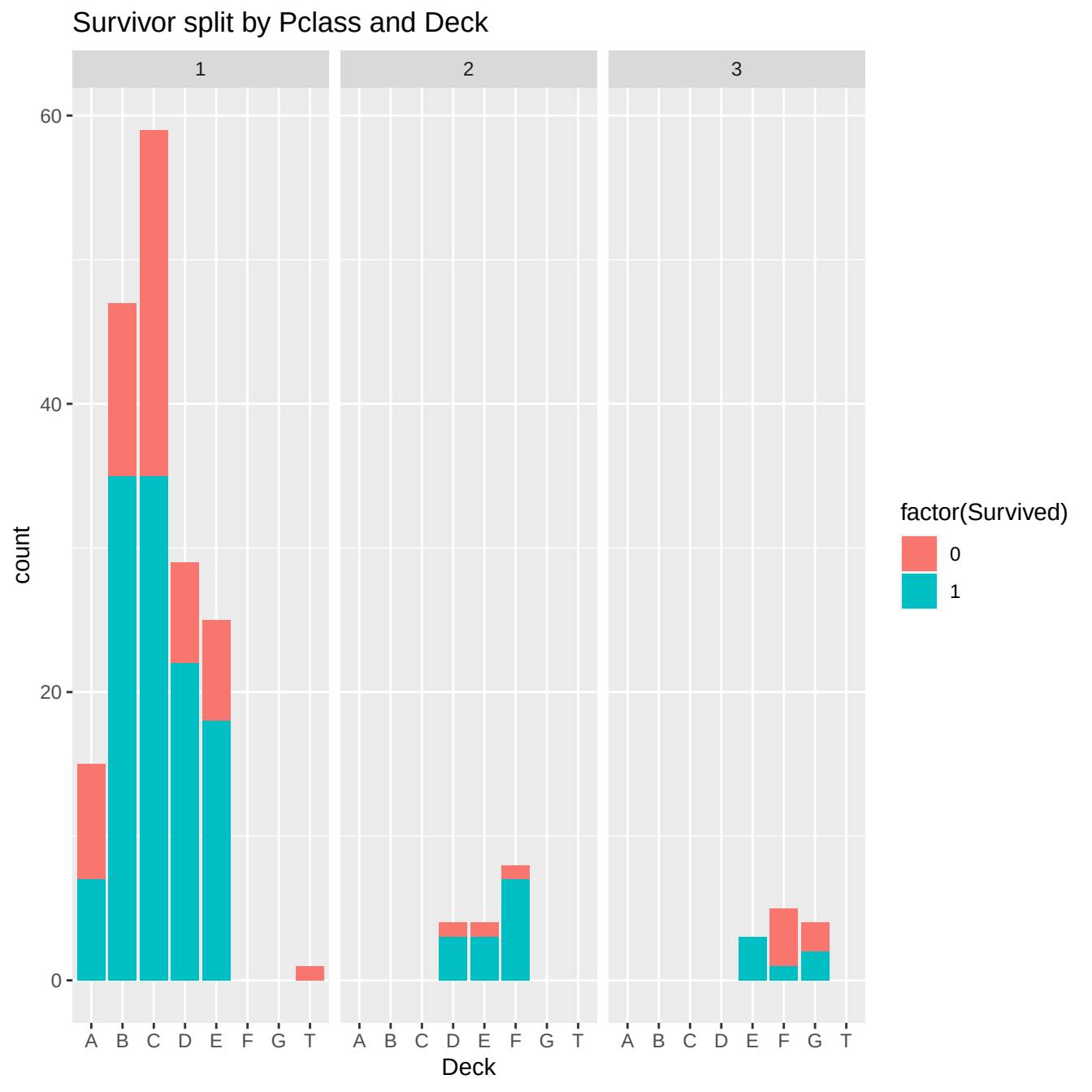

Histogram of full$Age
Frequency
0
50
100
150
200
0
20
40
60
80
full$Age

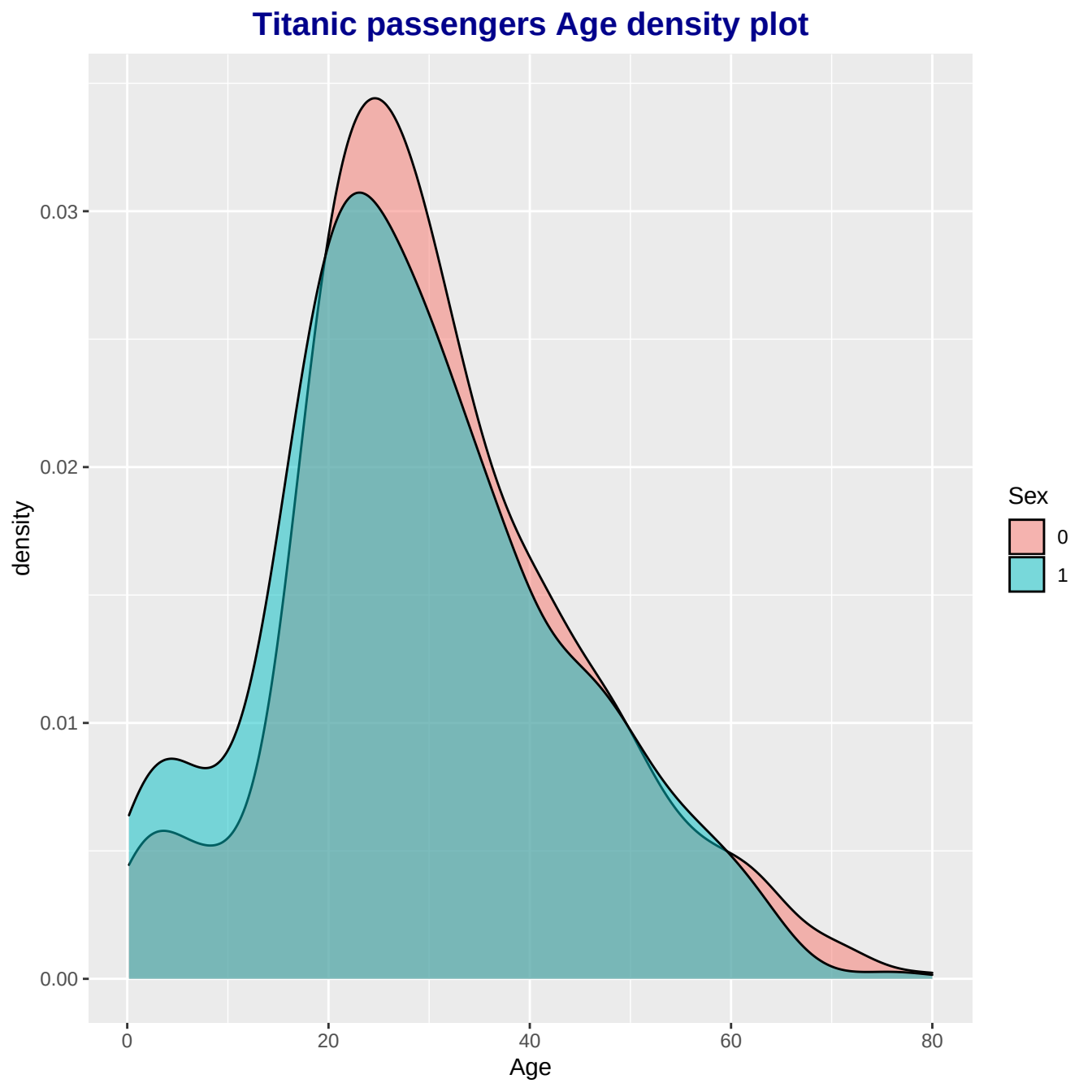

All Titanic passengers age hitogra
Titanic passengers age density plot
count
density
Age
Age
Survived
0
1

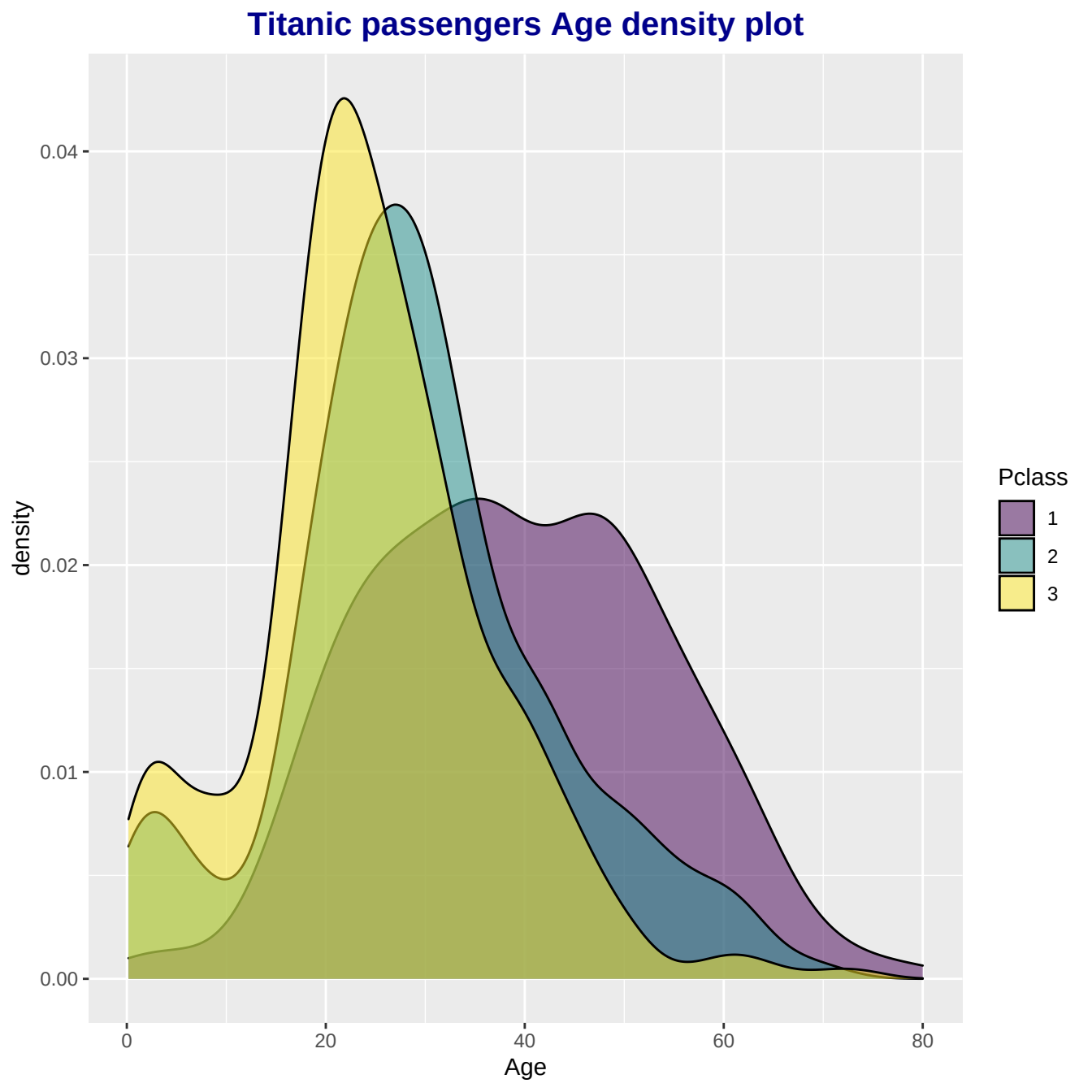

500
400
300
200
100
0
Fare
C
Q
S
Embarked
factor(Pclass)
1
2
3

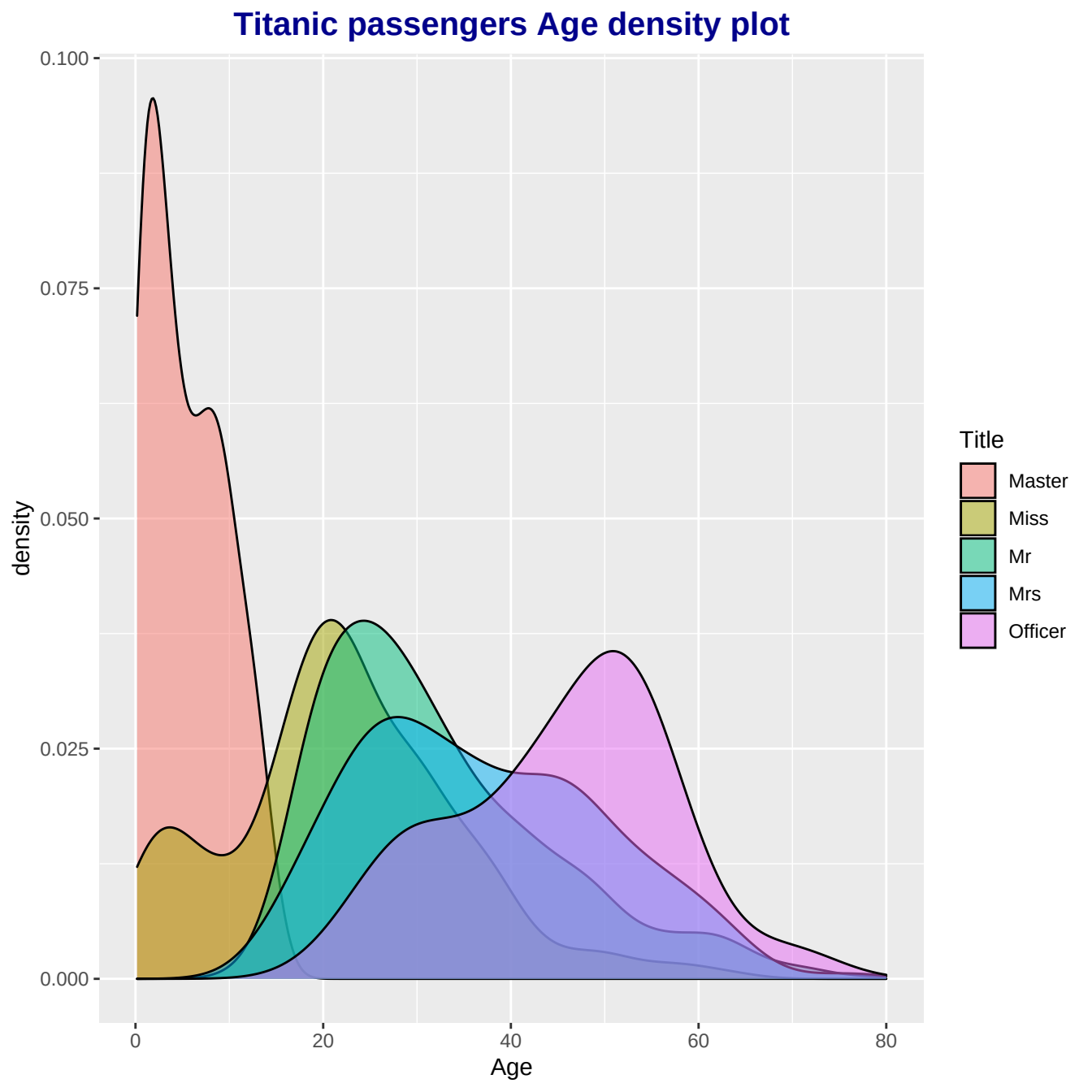

Survival Rate by Fsize
100%
75%
50%
25%
0%
Rate
1
2
3
4
5
6
7
8
9
10
11
Fsize
Survived
0
1

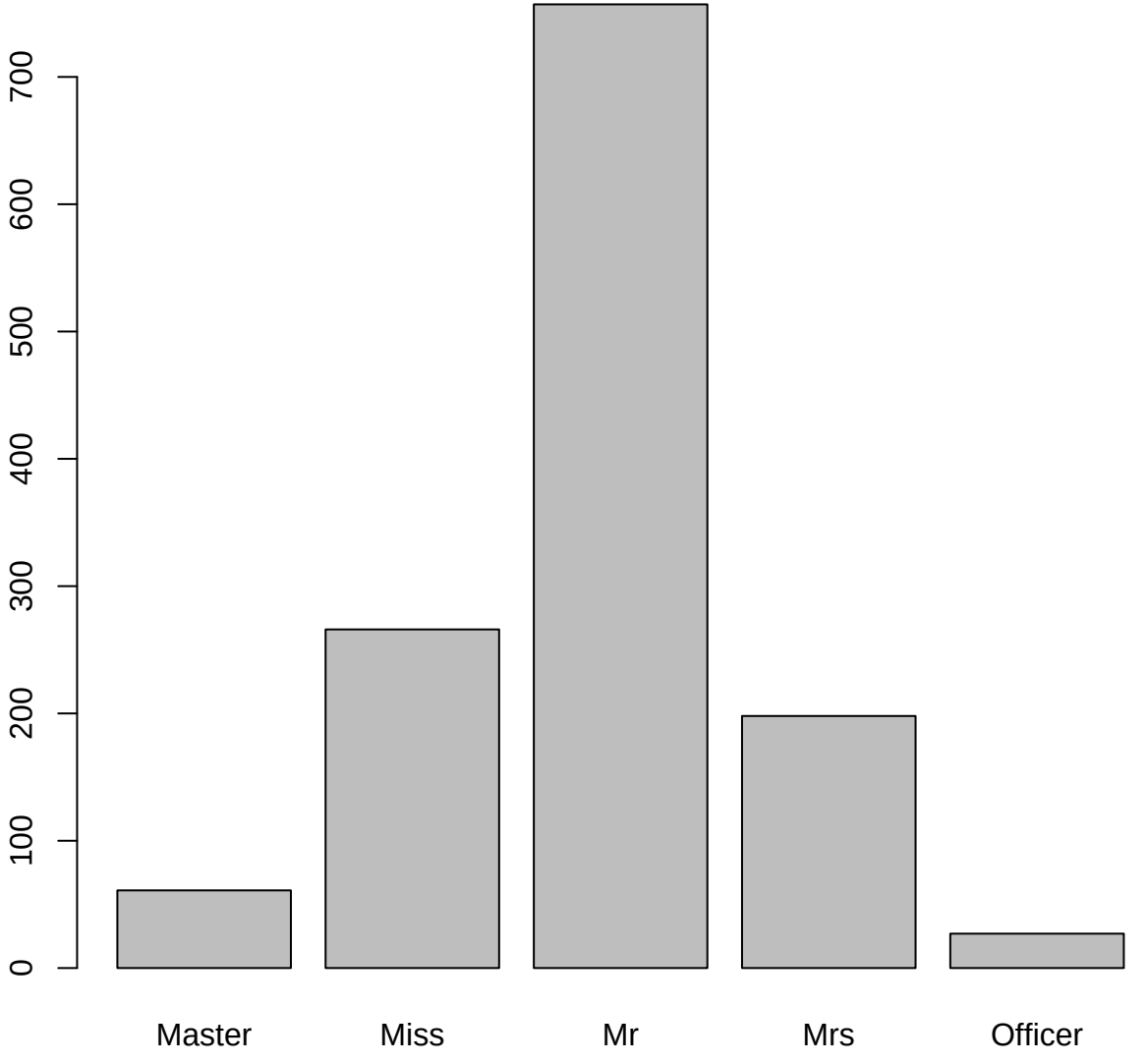

Survival Rate by Familysize
1.00
0.75
0.50
0.25
0.00
count
large
single
small
Familysize
Survived
0
1

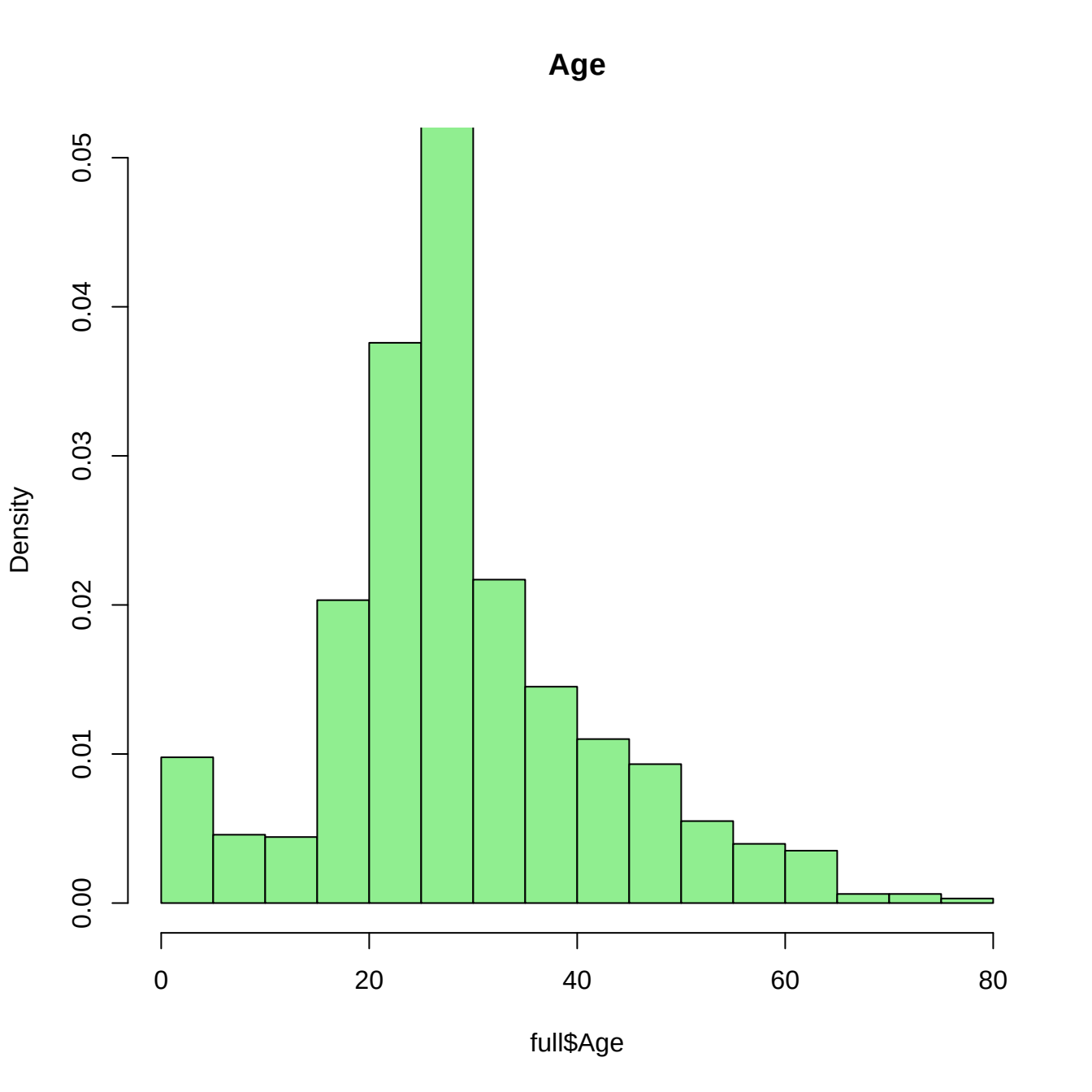

Survivor split by Pclass and Deck
1
2
3
60
40
20
0
count
A
B
C
D
E
F
G
T
Deck
factor(Survived)
0
1

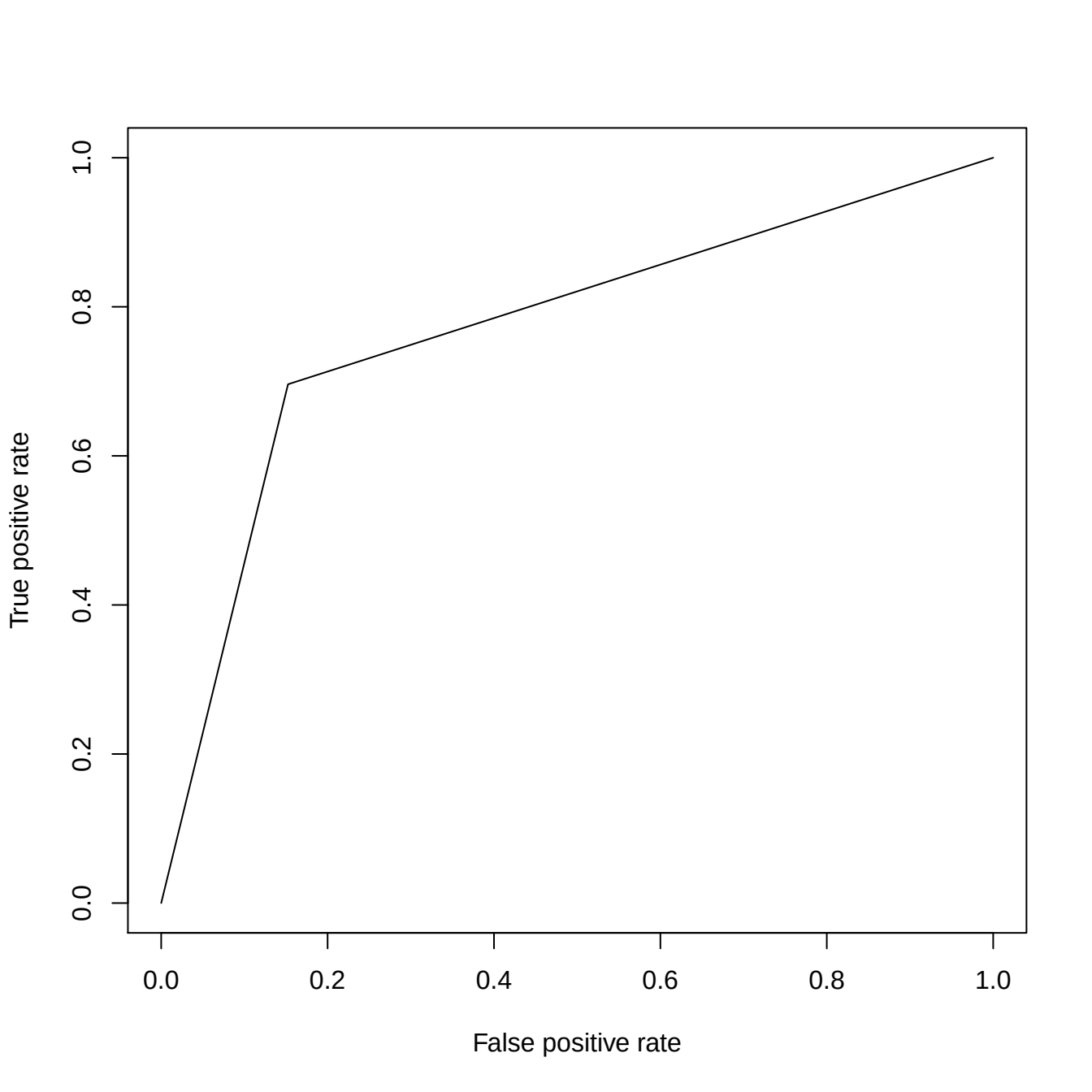

Titanic passengers Age density plot
density
0.03
0.02
0.01
0.00
0
20
40
60
80
Age
Sex
0
1


Titanic passengers Age density plot
density
0.04
0.03
0.02
0.01
0.00
0
20
40
60
80
Age
Pclass
1
2
3


Titanic passengers Age density plot
0.100
0.075
0.050
0.025
0.000
density
0
20
40
60
80
Age
Title
Master
Miss
Mr
Mrs
Officer


0
100
200
300
400
500
600
700
Master
Miss
Mr
Mrs
Officer


Age
Density
0.00
0.01
0.02
0.03
0.04
0.05
0
20
40
60
80
full$Age


True positive rate
0.0
0.2
0.4
0.6
0.8
1.0
False positive rate
0.0
0.2
0.4
0.6
0.8
1.0