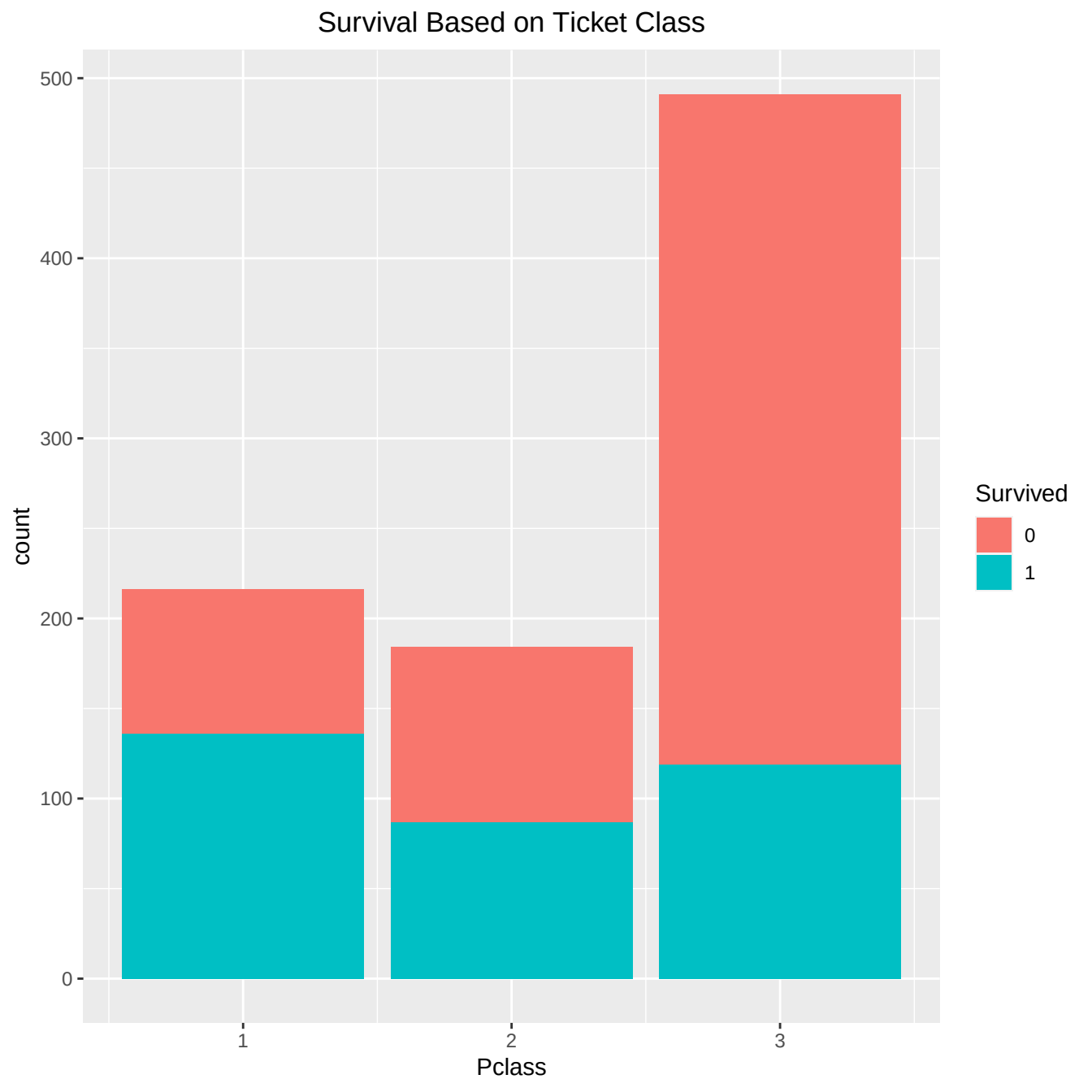
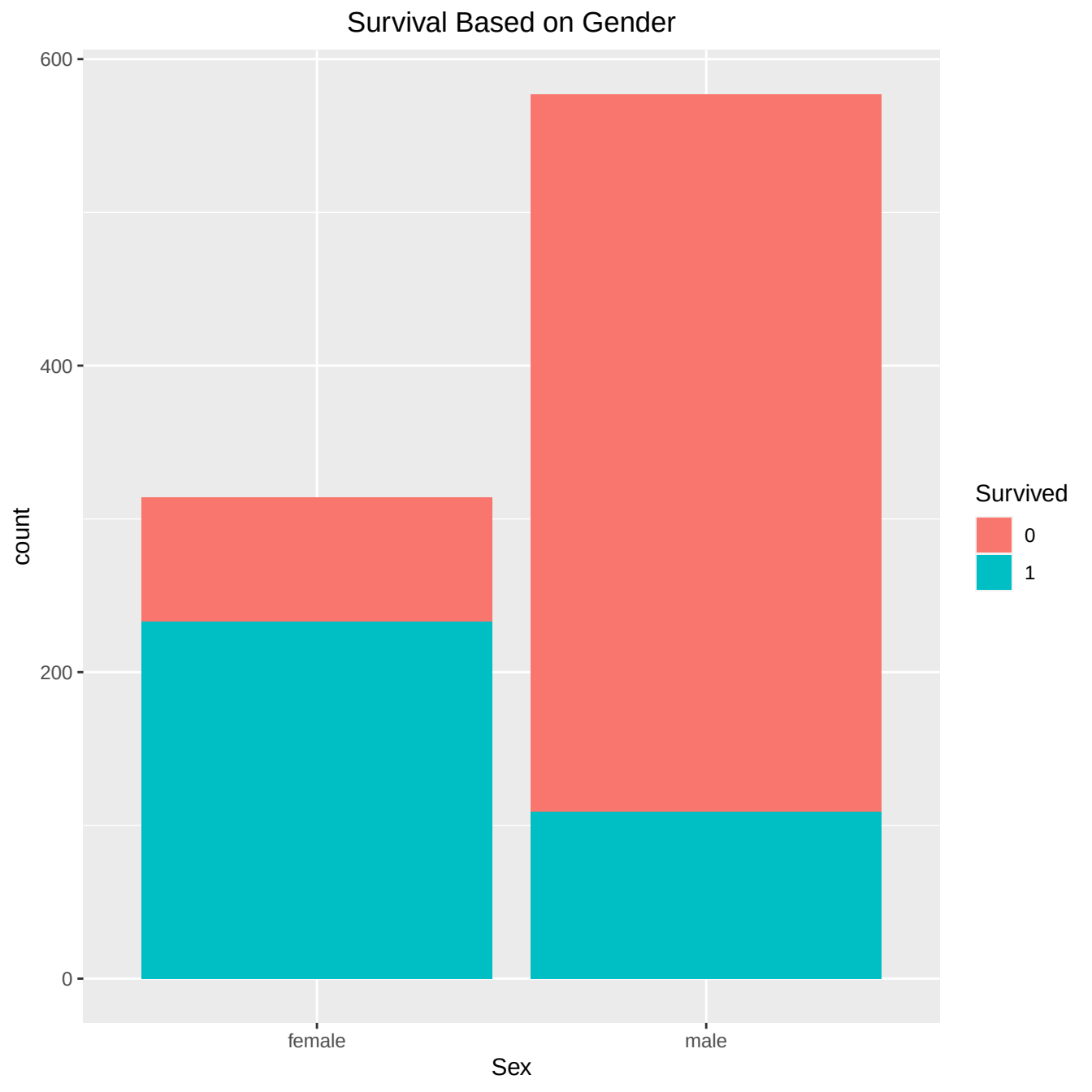
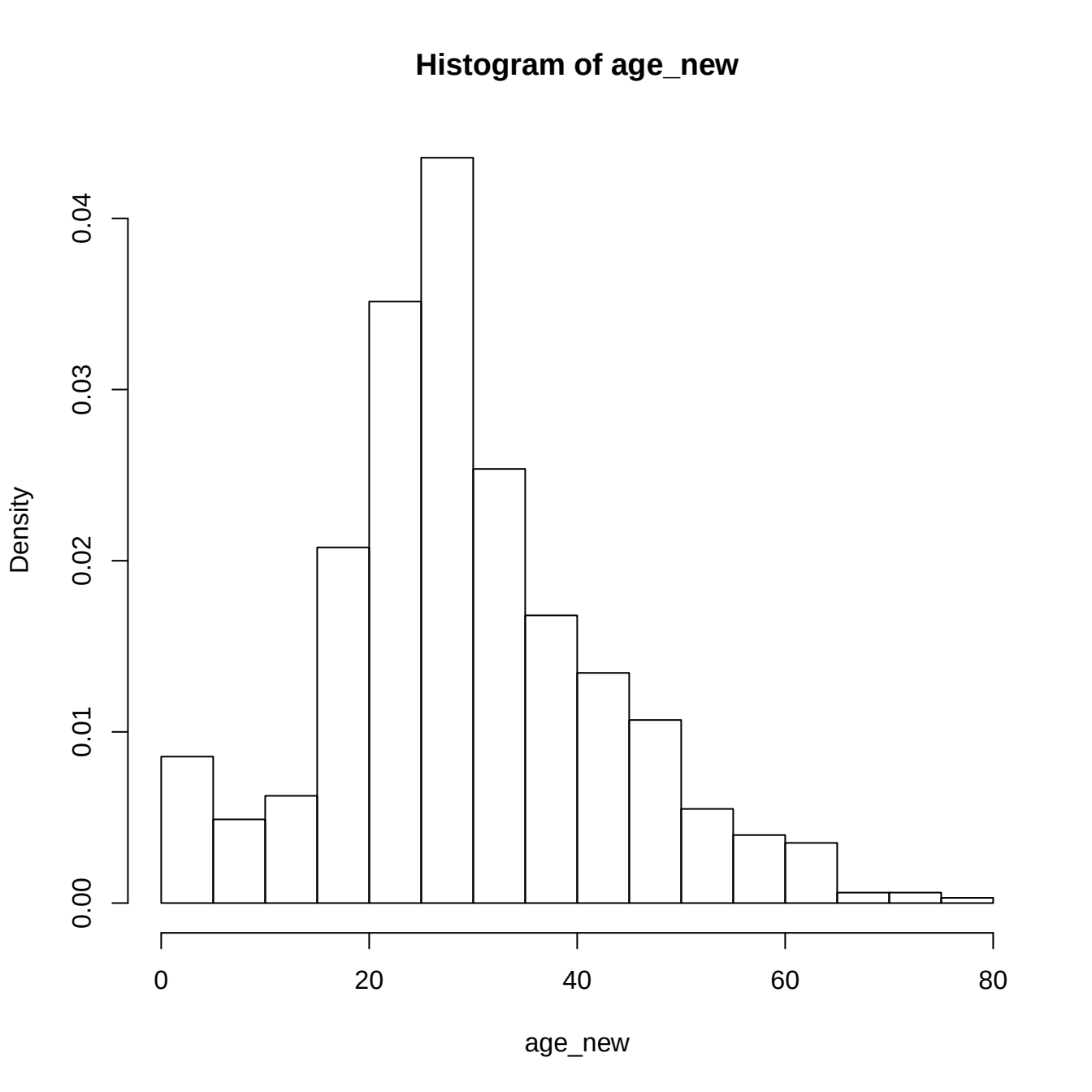
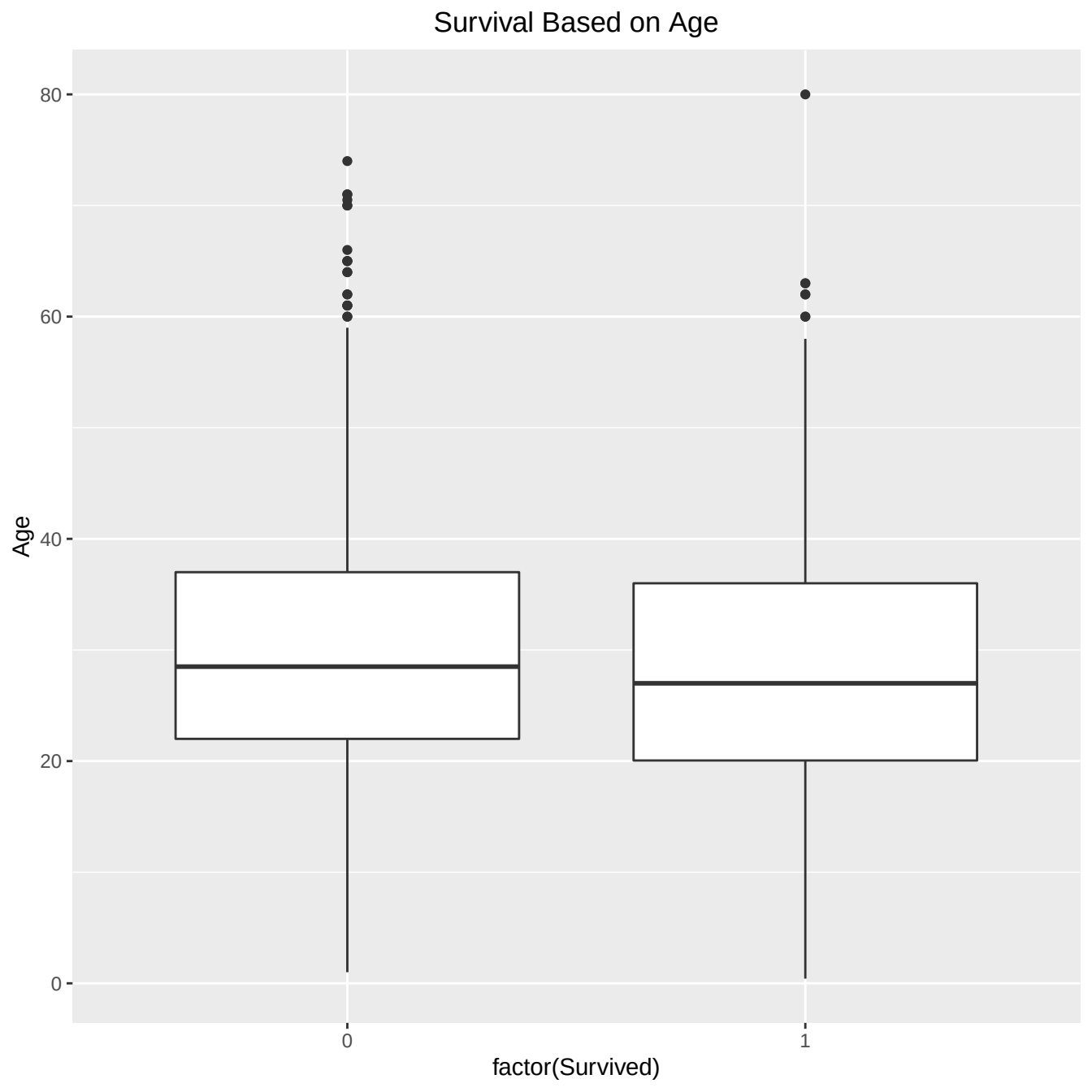
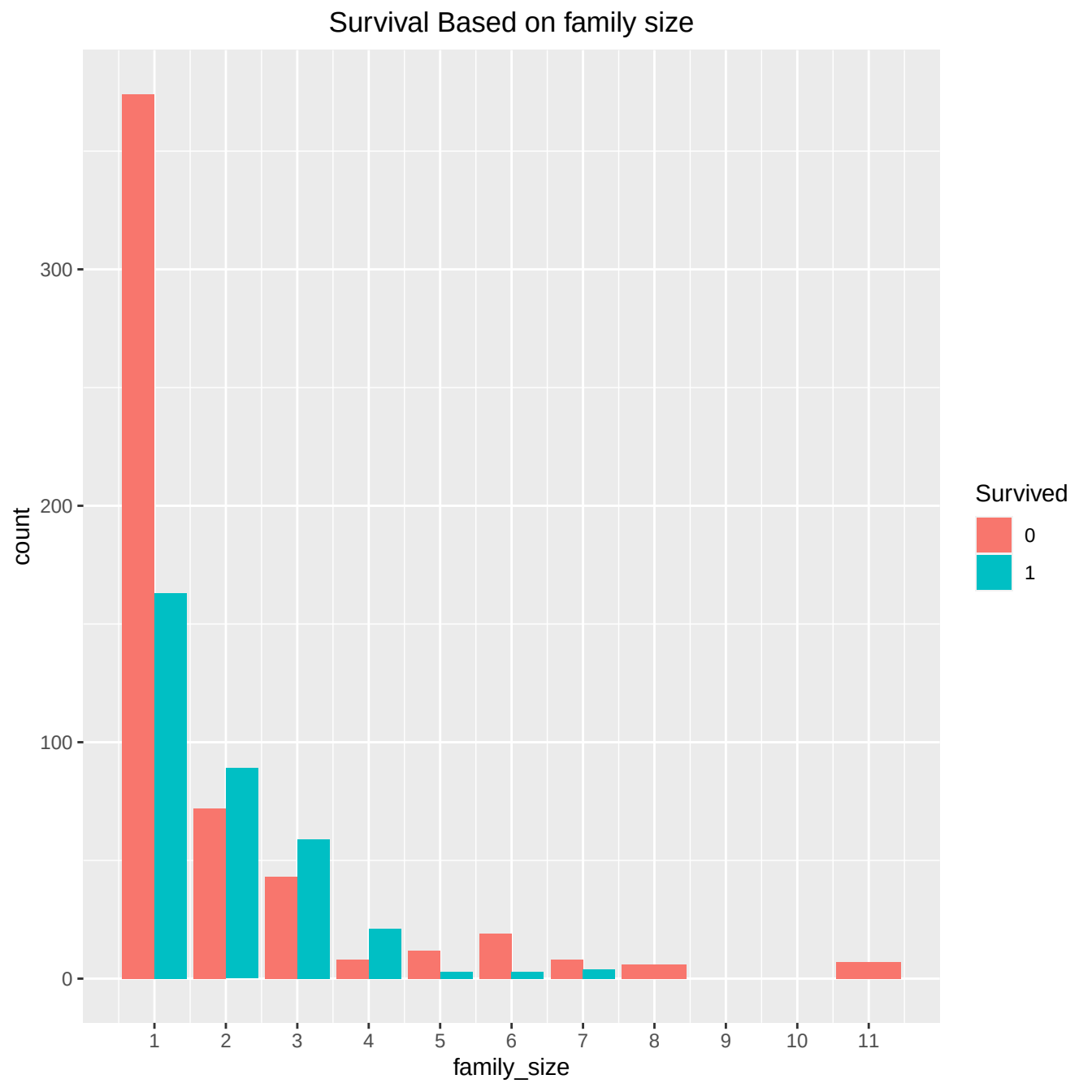
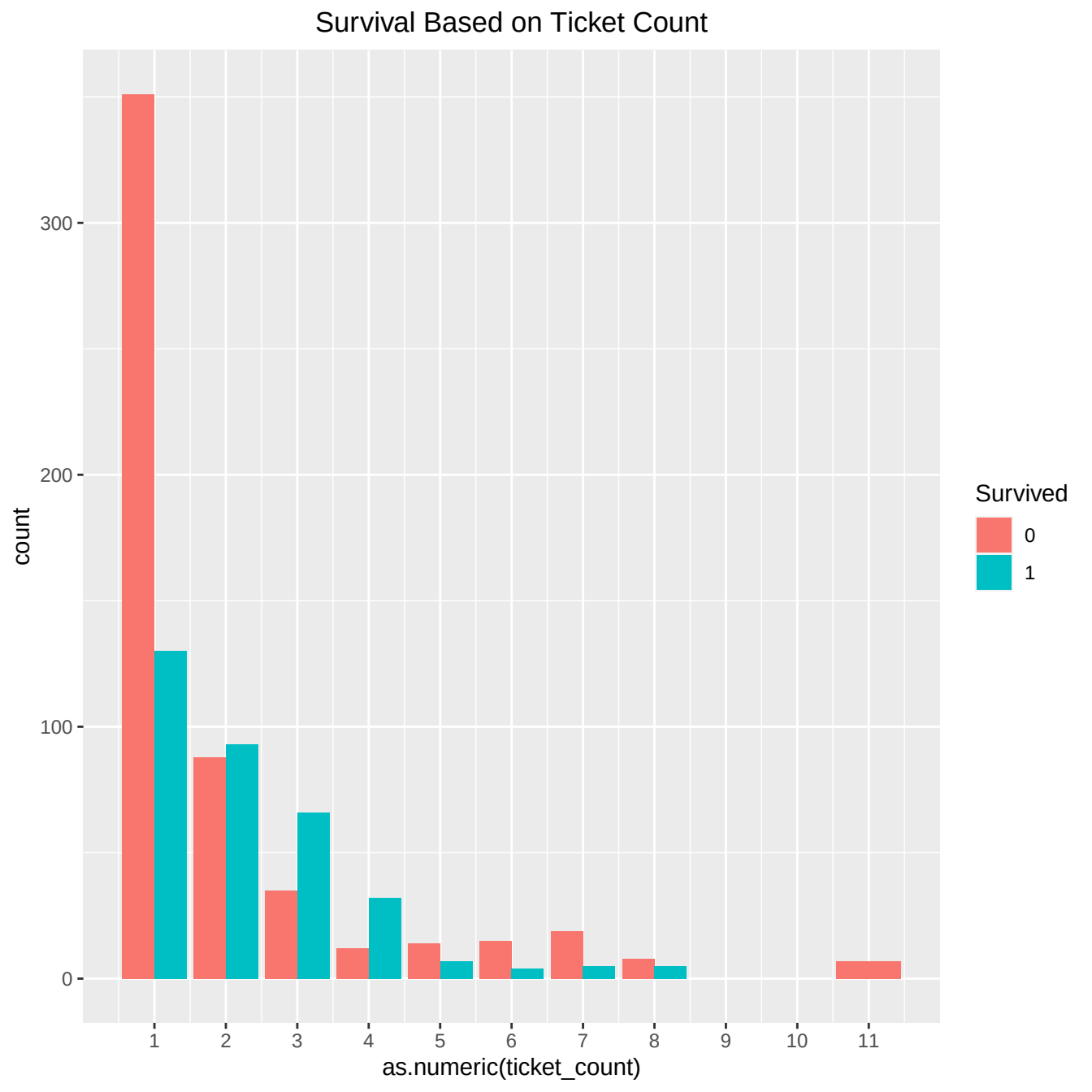

Survival Based on Ticket Class
500
400
300
200
100
0
count
1
2
3
Pclass
Survived
0
1

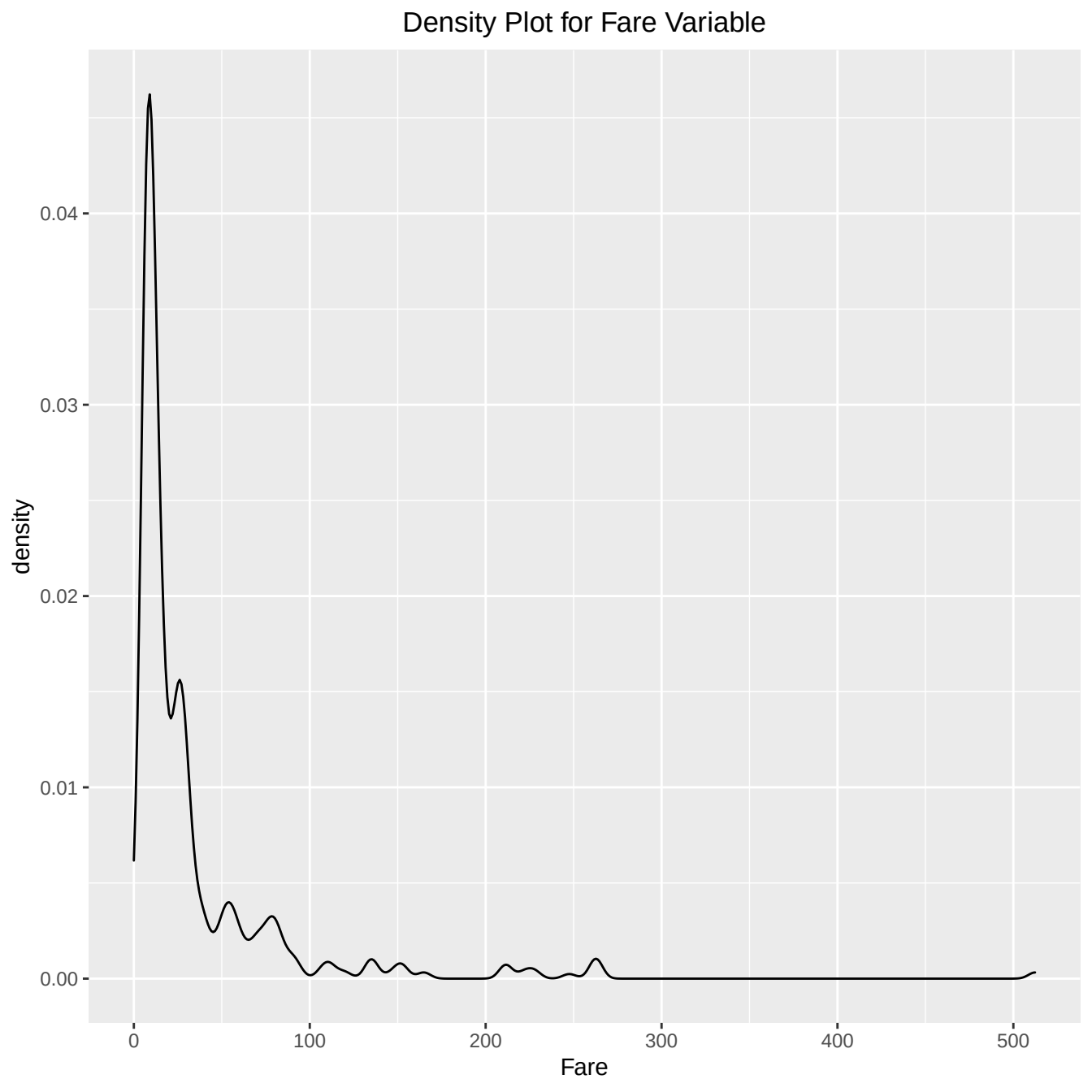

Survival Based on Gender
600
400
200
0
count
female
male
Sex
Survived
0
1

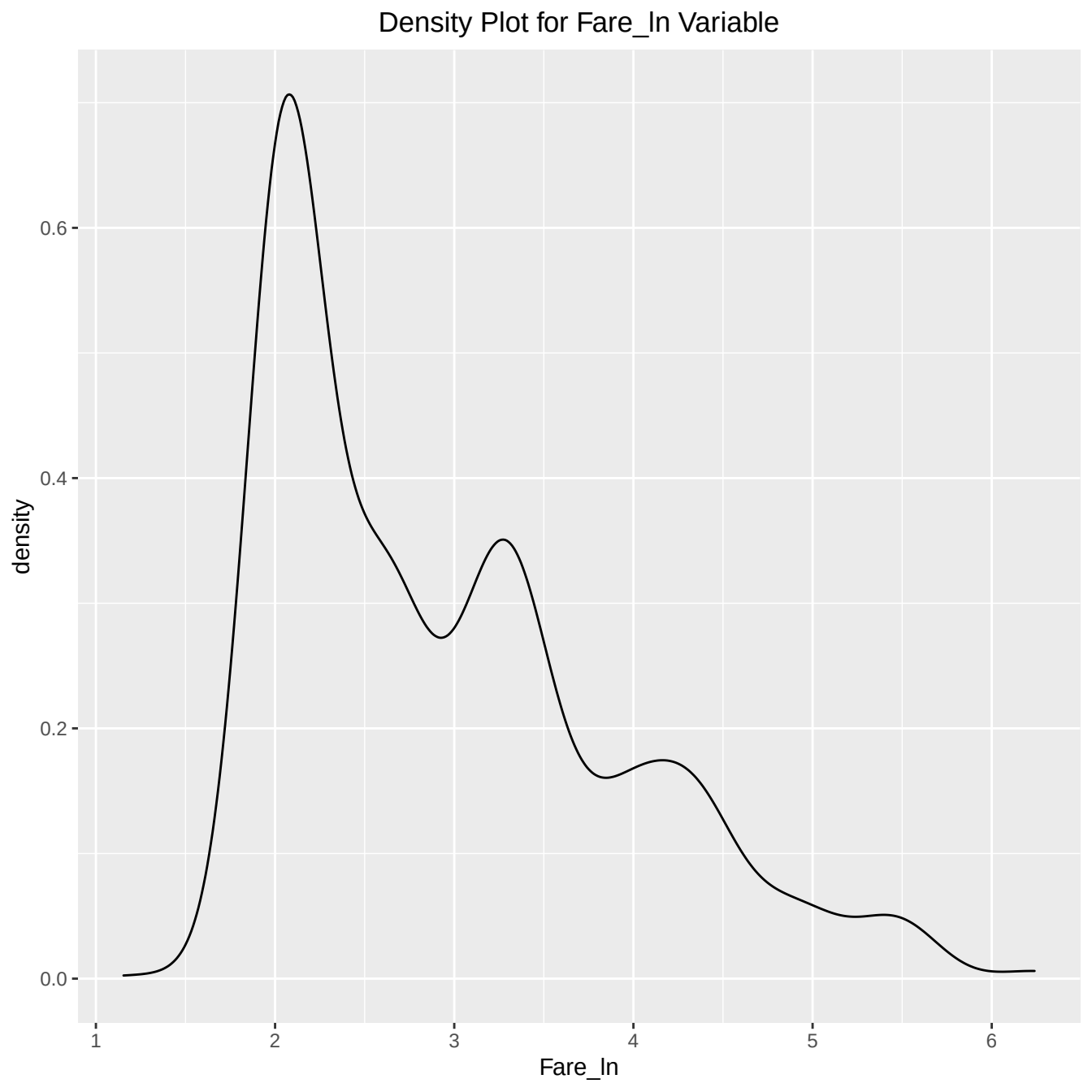

Histogram of age_new
Density
0.00
0.01
0.02
0.03
0.04
0
20
40
60
80
age_new

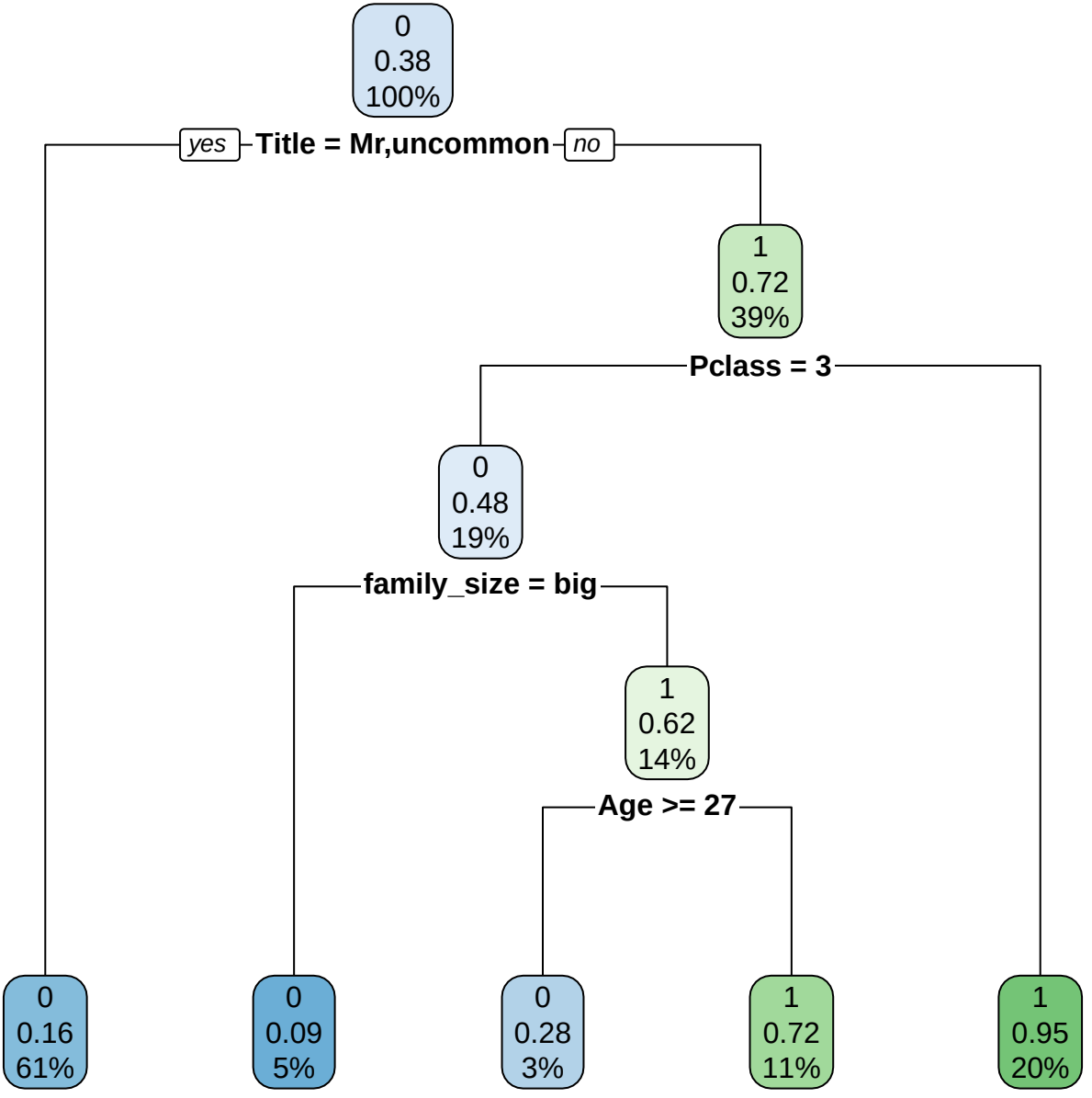

Survival Based on Age
80
60
40
20
0
Age
0
1
factor(Survived)

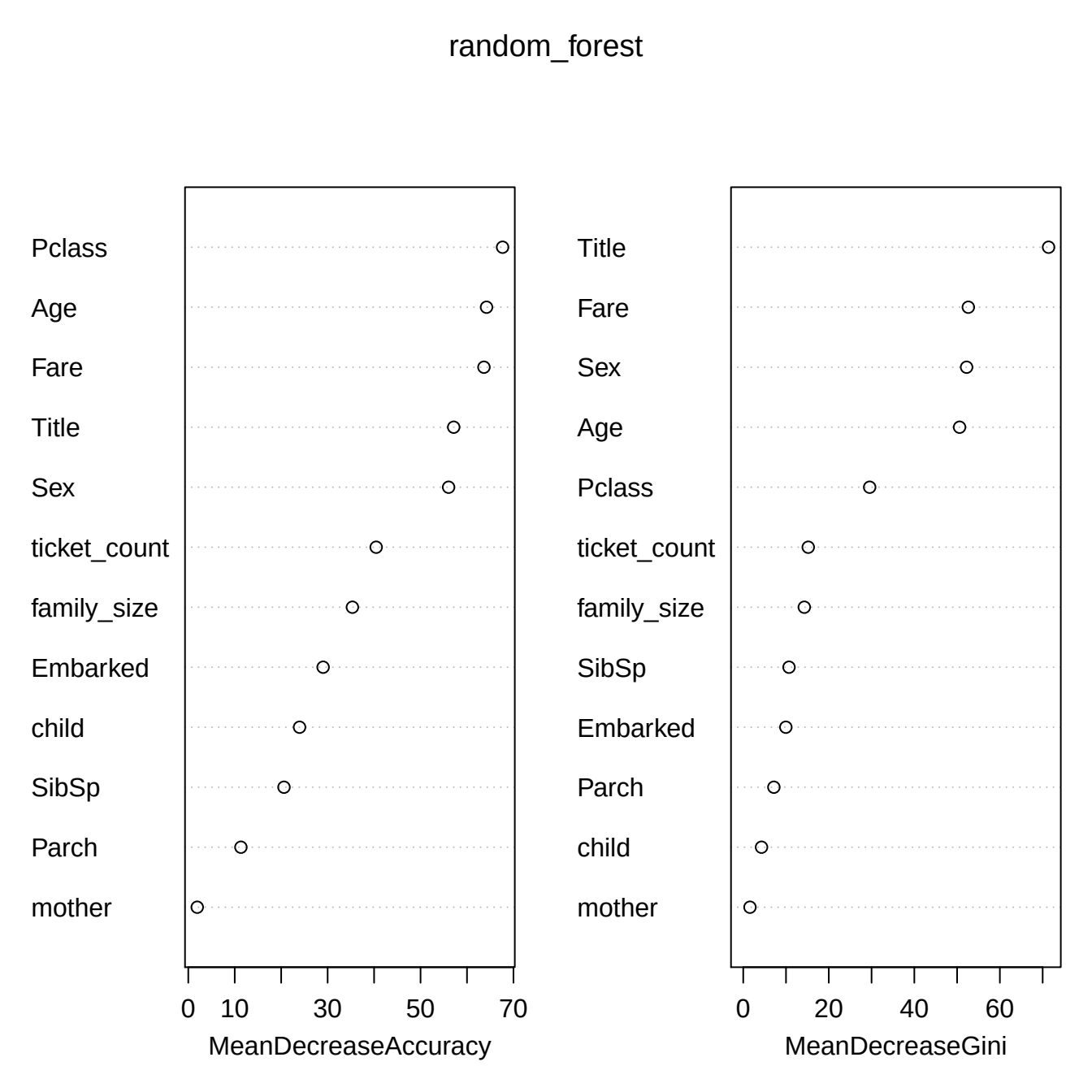

Survival Based on family size
count
300
200
100
0
1
2
3
4
5
6
7
8
9
10
11
family_size
Survived
0
1


Survival Based on Ticket Count
count
300
200
100
0
1
2
3
4
5
6
7
8
9
10
11
as.numeric(ticket_count)
Survived
0
1


Density Plot for Fare Variable
density
0.04
0.03
0.02
0.01
0.00
0
100
200
300
400
500
Fare


Density Plot for Fare_ln Variable
density
0.0
0.2
0.4
0.6
1
2
3
4
5
6
Fare_ln


0
0.38
100%
yes
Title = Mr,uncommon
no
1
0.72
39%
Pclass = 3
0
0.48
19%
family_size = big
1
0.62
14%
Age >= 27
0
0.16
61%
0
0.09
5%
0
0.28
3%
1
0.72
11%
1
0.95
20%


random_forest
Pclass
Age
Fare
Title
Sex
ticket_count
family_size
Embarked
child
SibSp
Parch
mother
0
10
30
50
70
MeanDecreaseAccuracy
Title
Fare
Sex
Age
Pclass
ticket_count
family_size
SibSp
Embarked
Parch
child
mother
0
20
40
60
MeanDecreaseGini