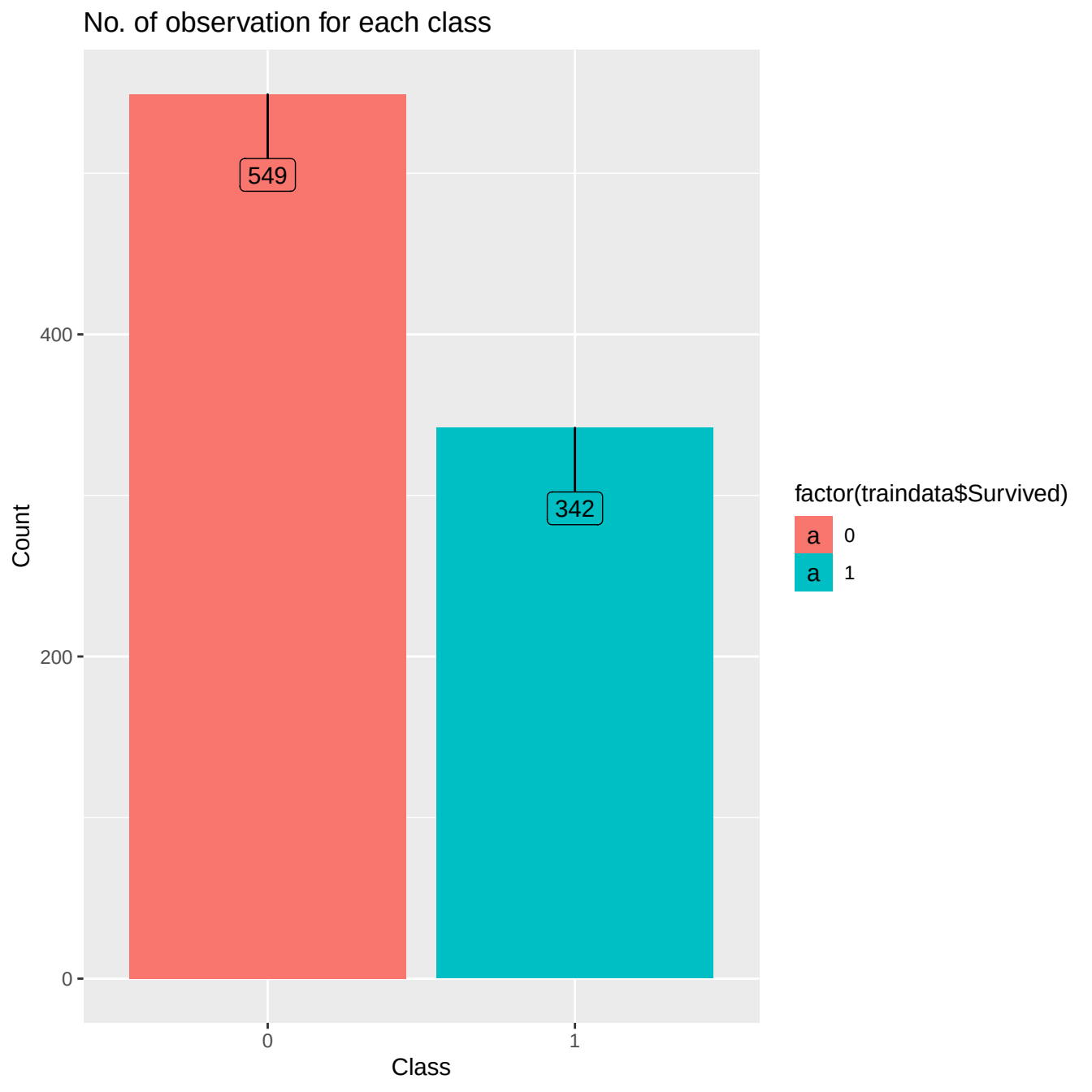
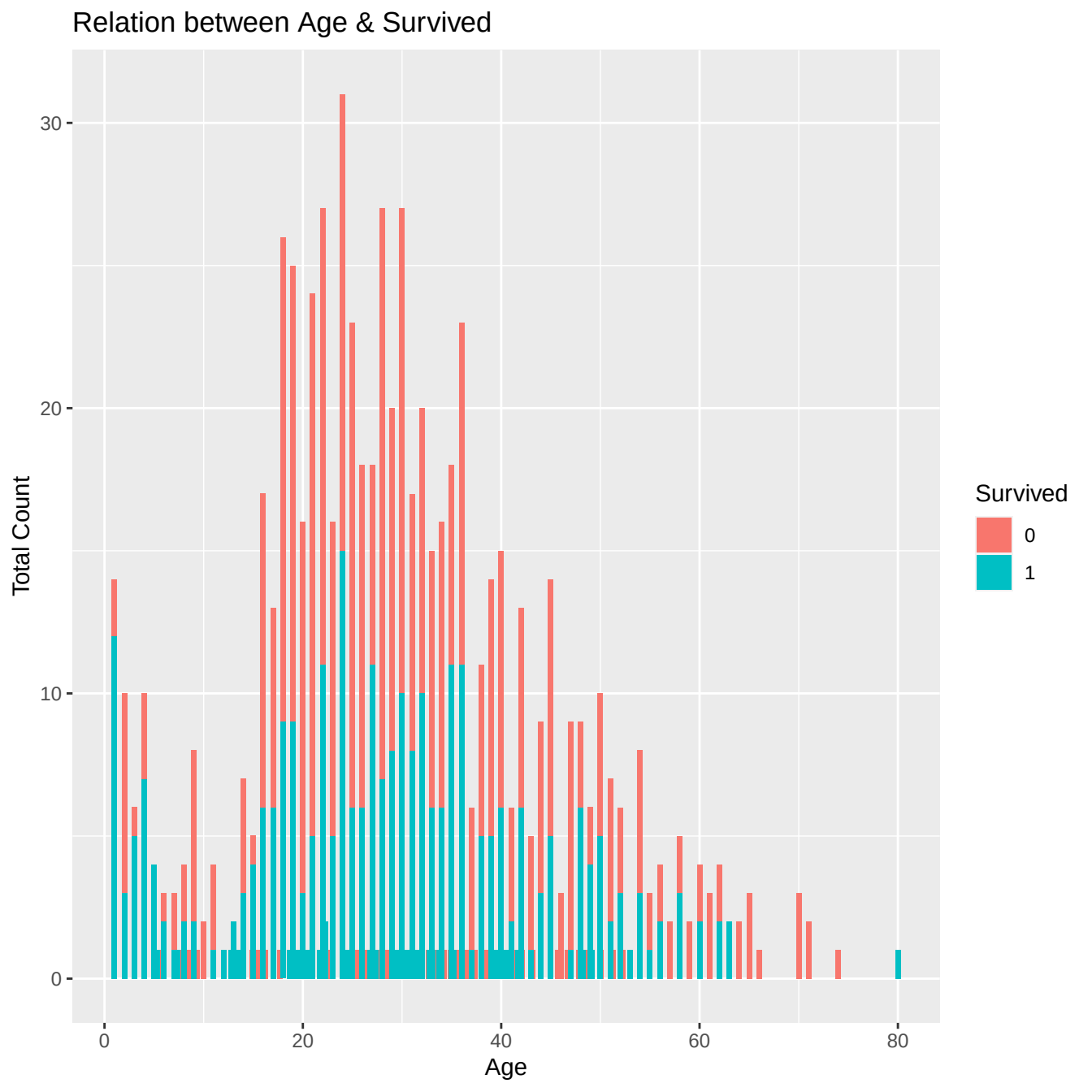
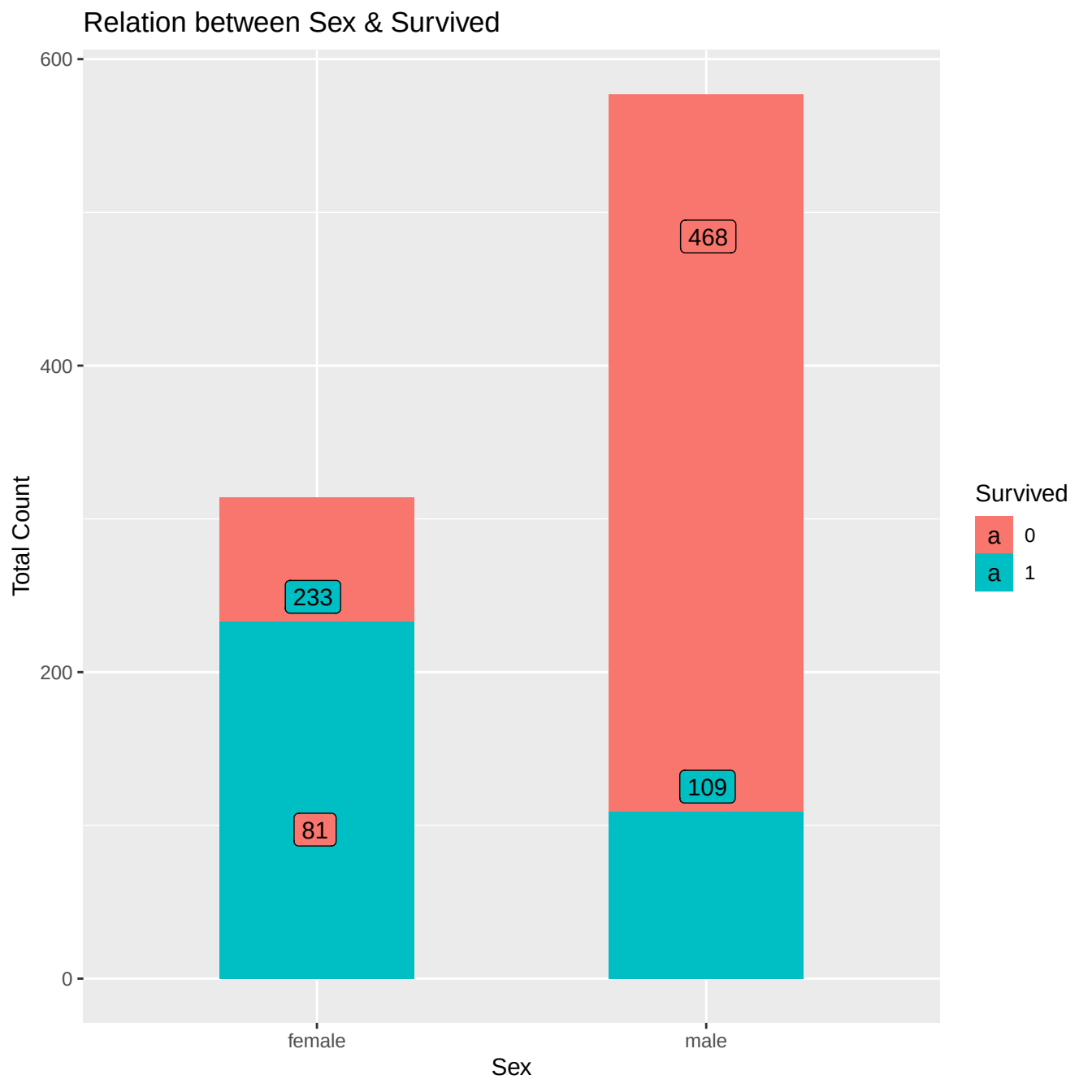
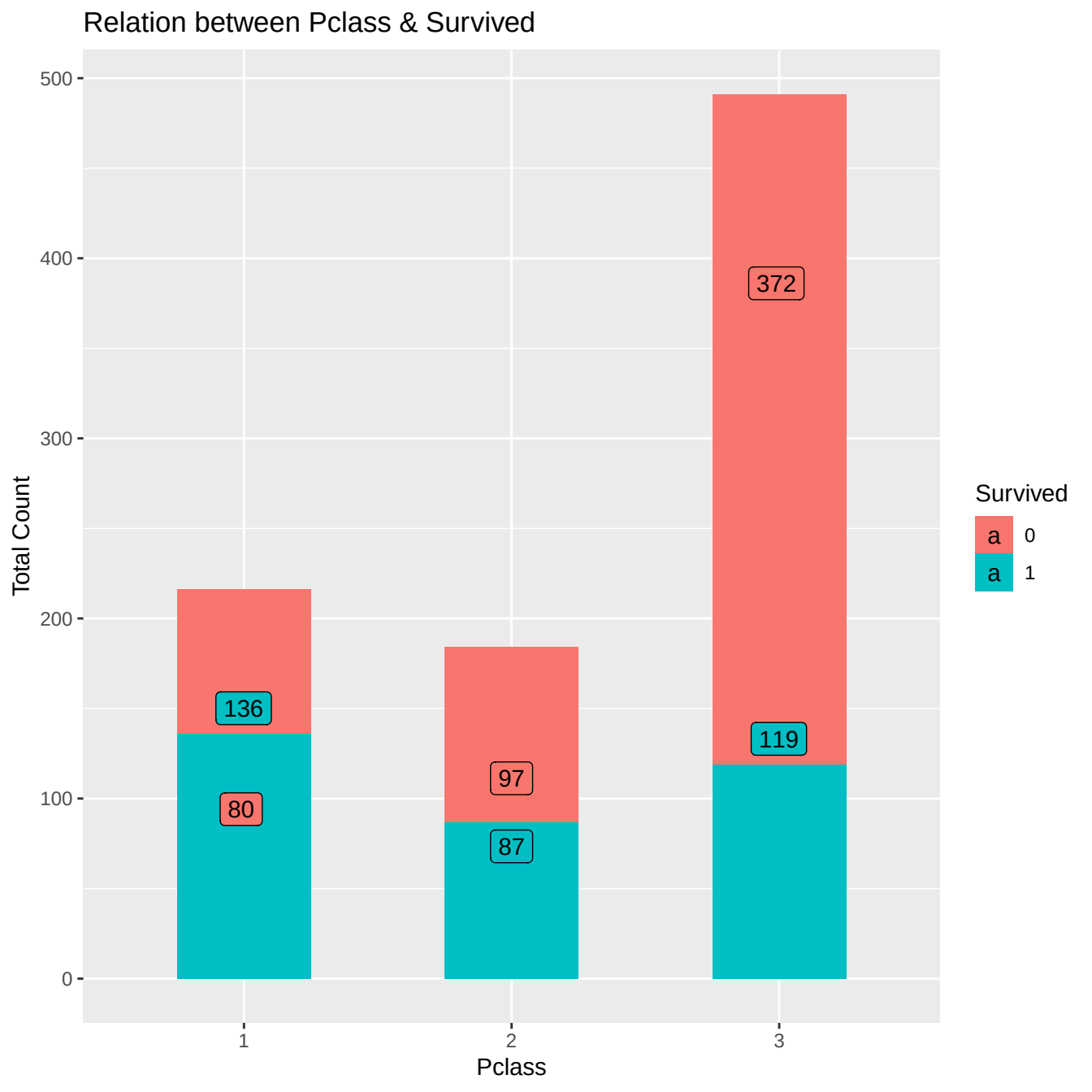
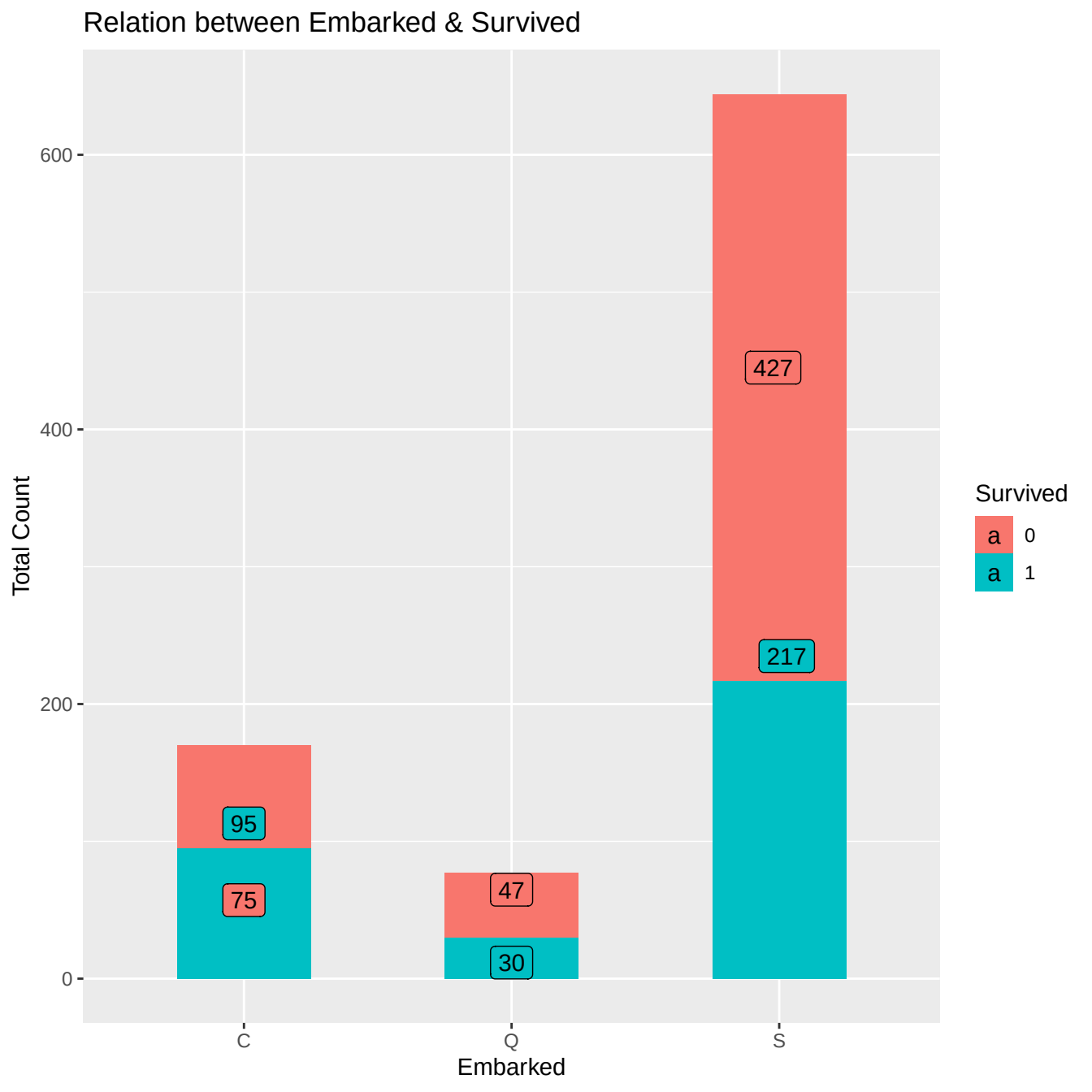
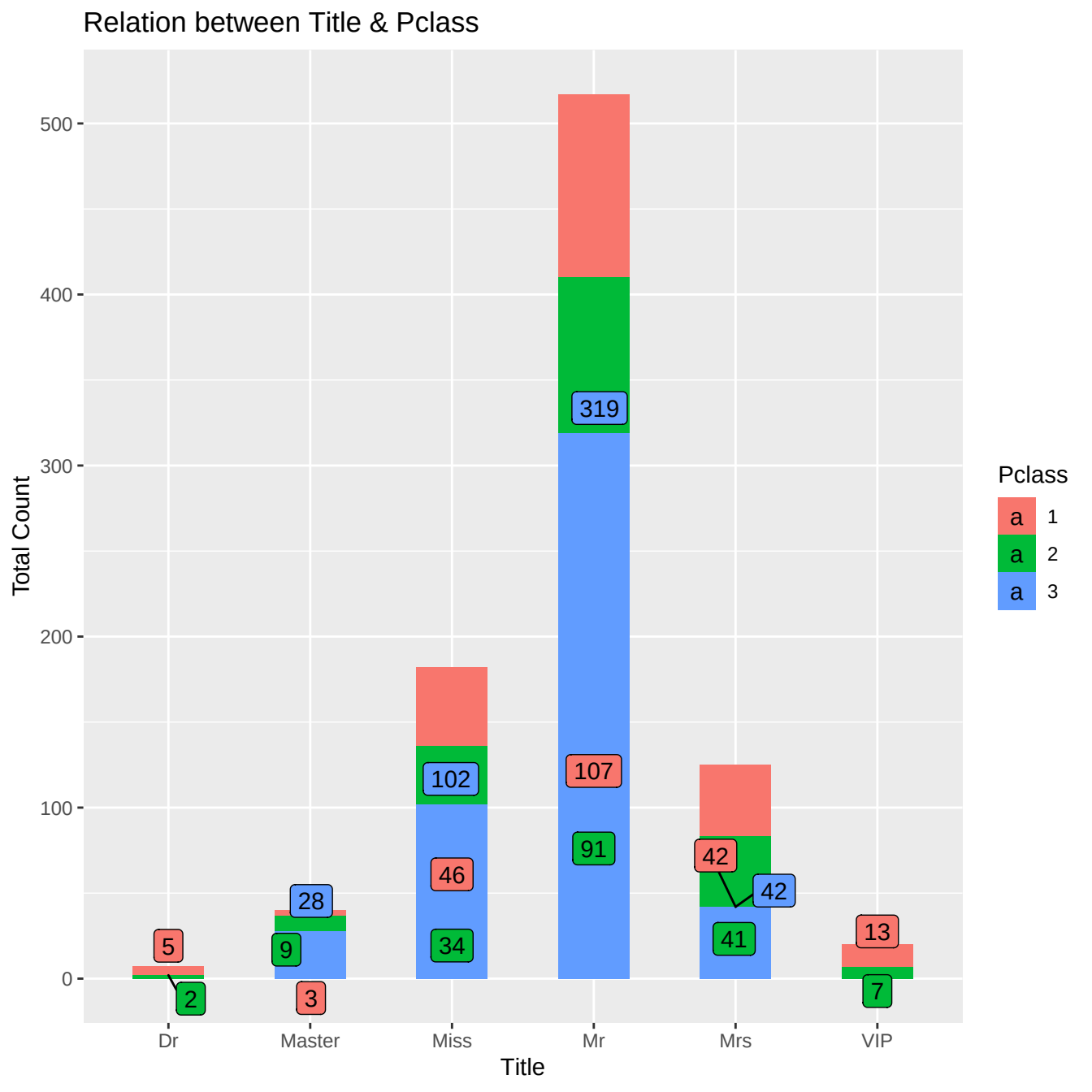

No. of observation for each class
549
342
400
200
0
Count
0
1
Class
factor(traindata$Survived)
a
0
a
1

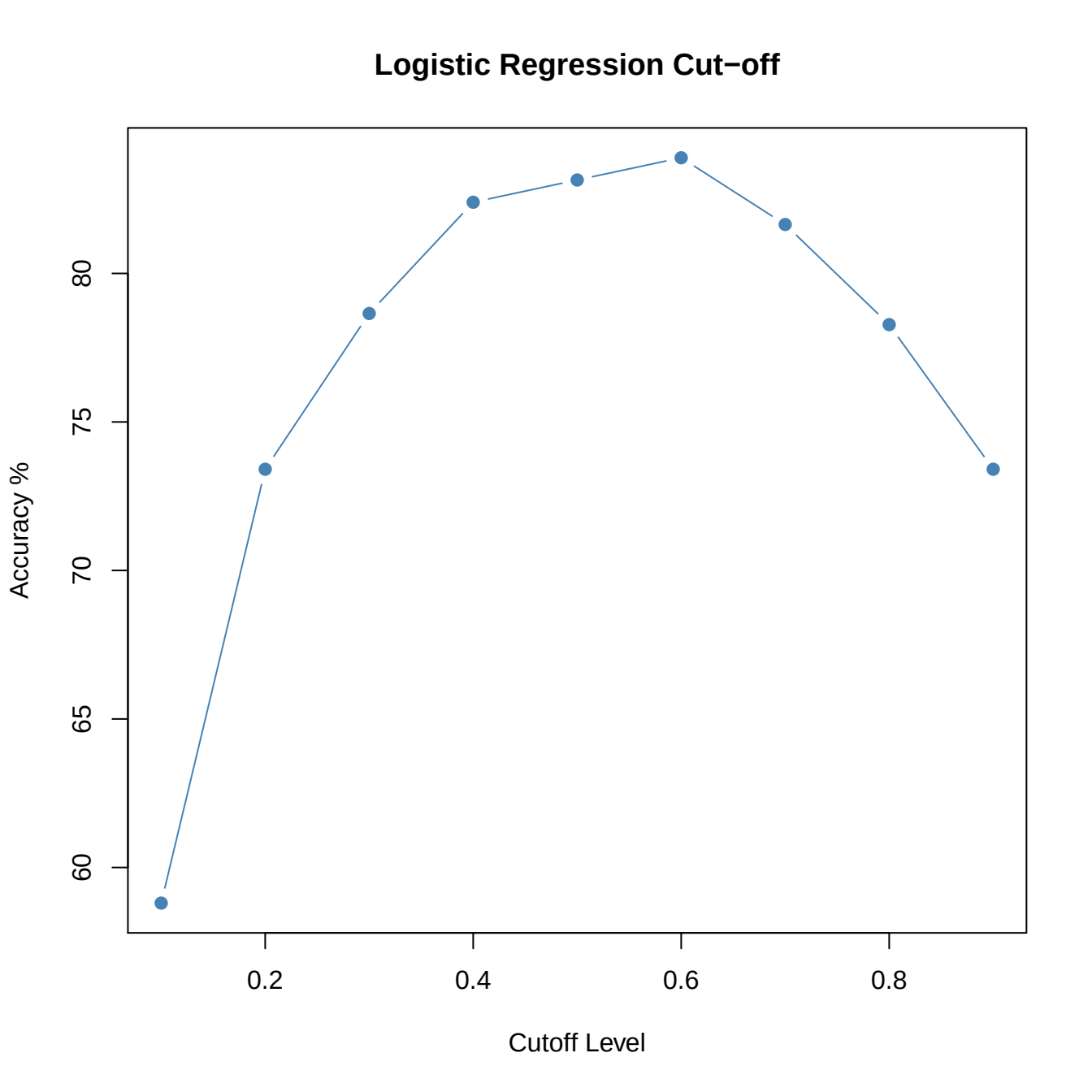

Relation between Age & Survived
Total Count
30
20
10
0
0
20
40
60
80
Age
Survived
0
1

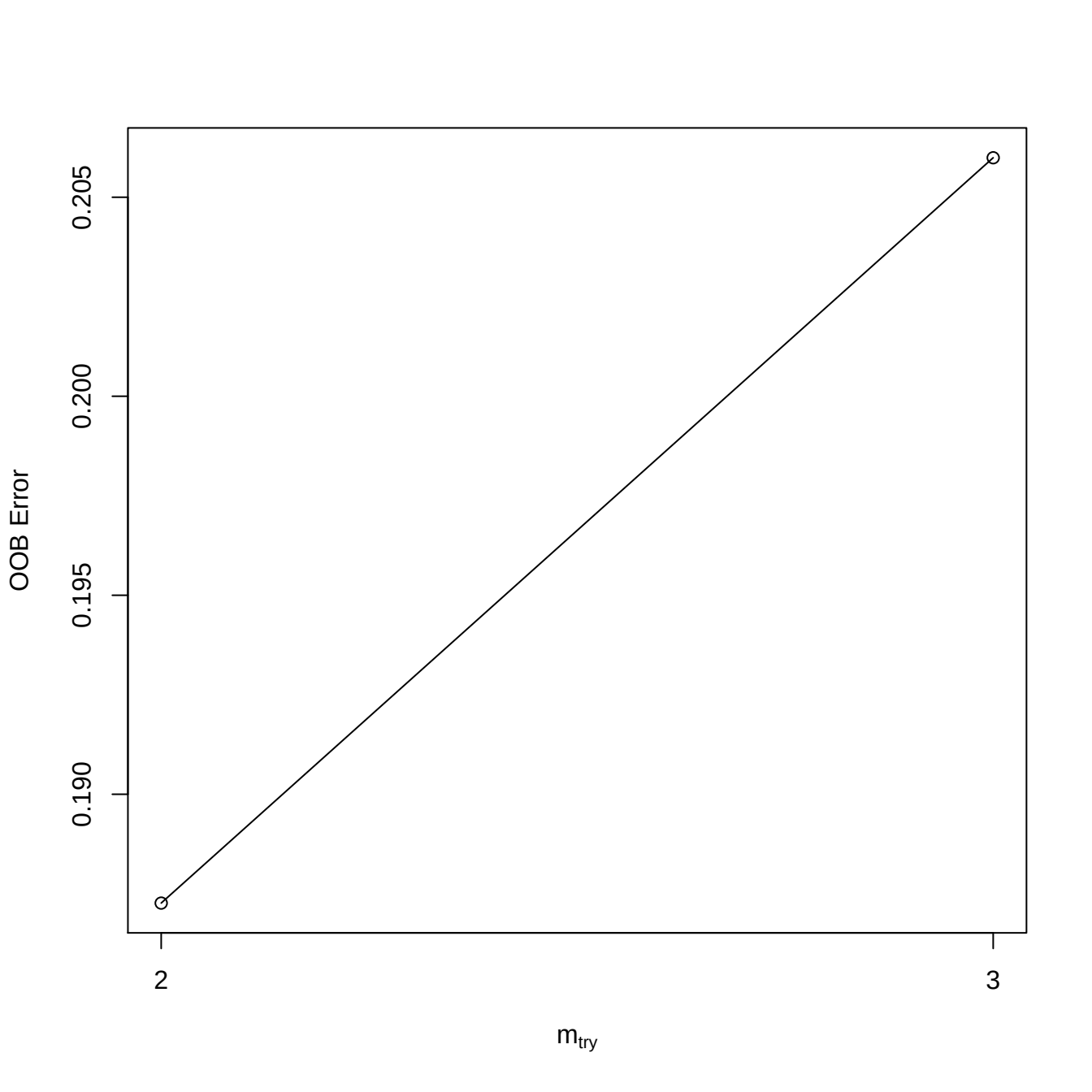

Relation between Sex & Survived
600
400
200
0
Total Count
233
81
468
109
female
male
Sex
Survived
a
0
a
1

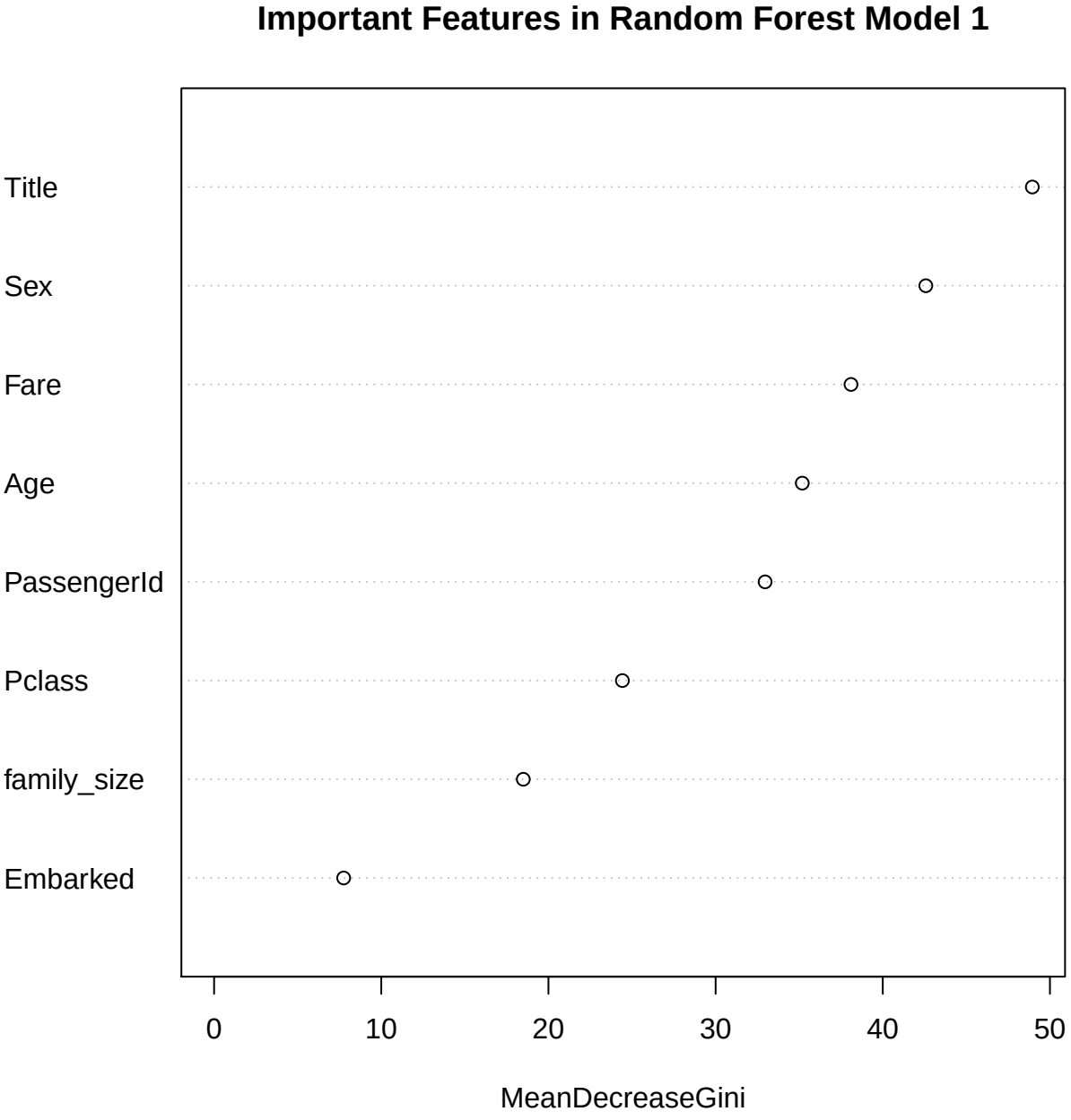

Relation between Pclass & Survived
Total Count
500
400
300
200
100
0
136
80
97
87
372
119
1
2
3
Pclass
Survived
a 0
a 1


Relation between Embarked & Survived
Total Count
600
400
200
0
95
75
47
30
427
217
C
Q
S
Embarked
Survived
a 0
a 1


Relation between Title & Pclass
Total Count
500
400
300
200
100
0
Dr
Master
Miss
Mr
Mrs
VIP
Title
Pclass
a 1
a 2
a 3
5
2
28
9
3
102
46
34
319
107
91
42
42
41
13
7


Logistic Regression Cut−off
Accuracy %
60
65
70
75
80
0.2
0.4
0.6
0.8
Cutoff Level


OOB Error
0.190
0.195
0.200
0.205
2
3
m_{try}


Important Features in Random Forest Model 1
Title
Sex
Fare
Age
PassengerId
Pclass
family_size
Embarked
0
10
20
30
40
50
MeanDecreaseGini