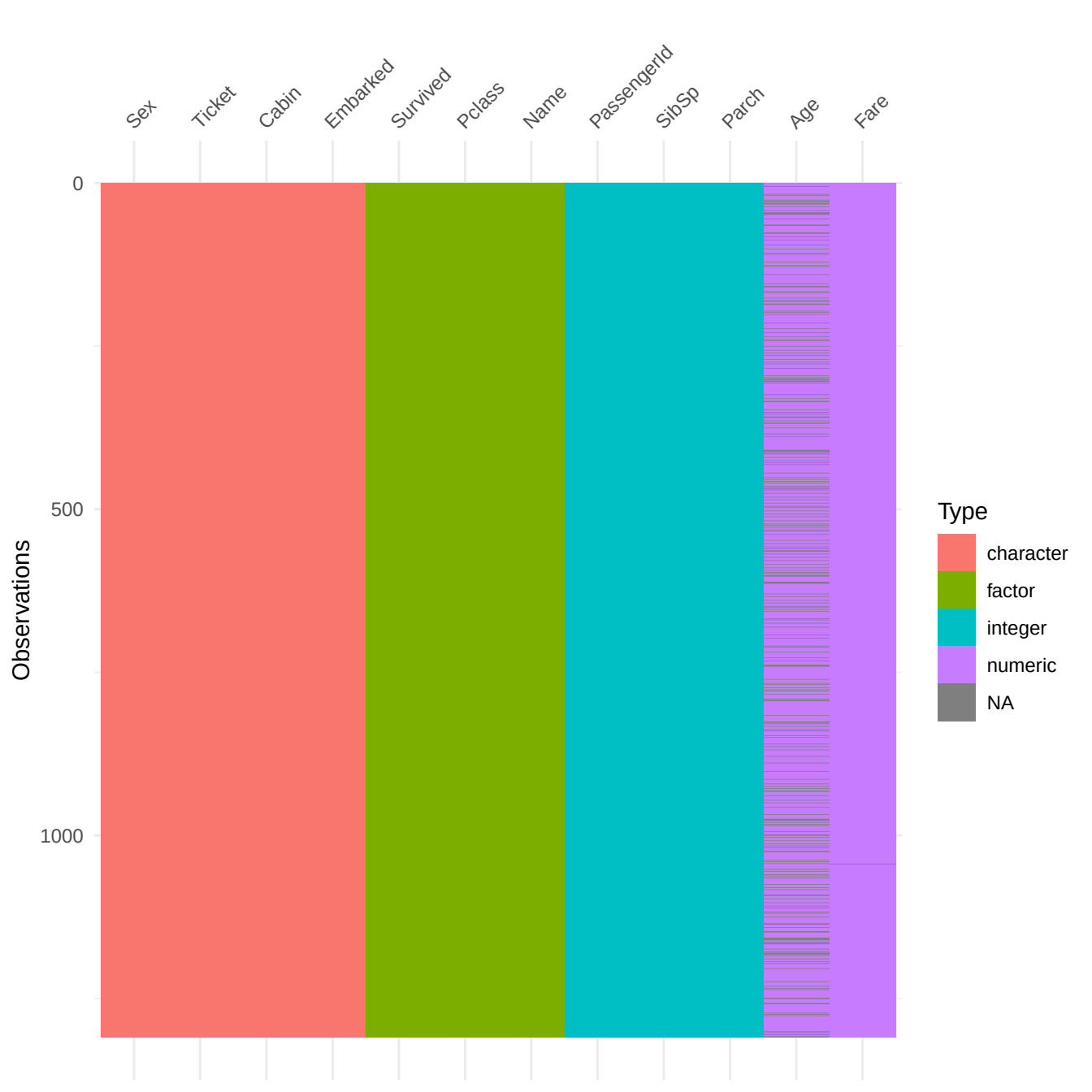
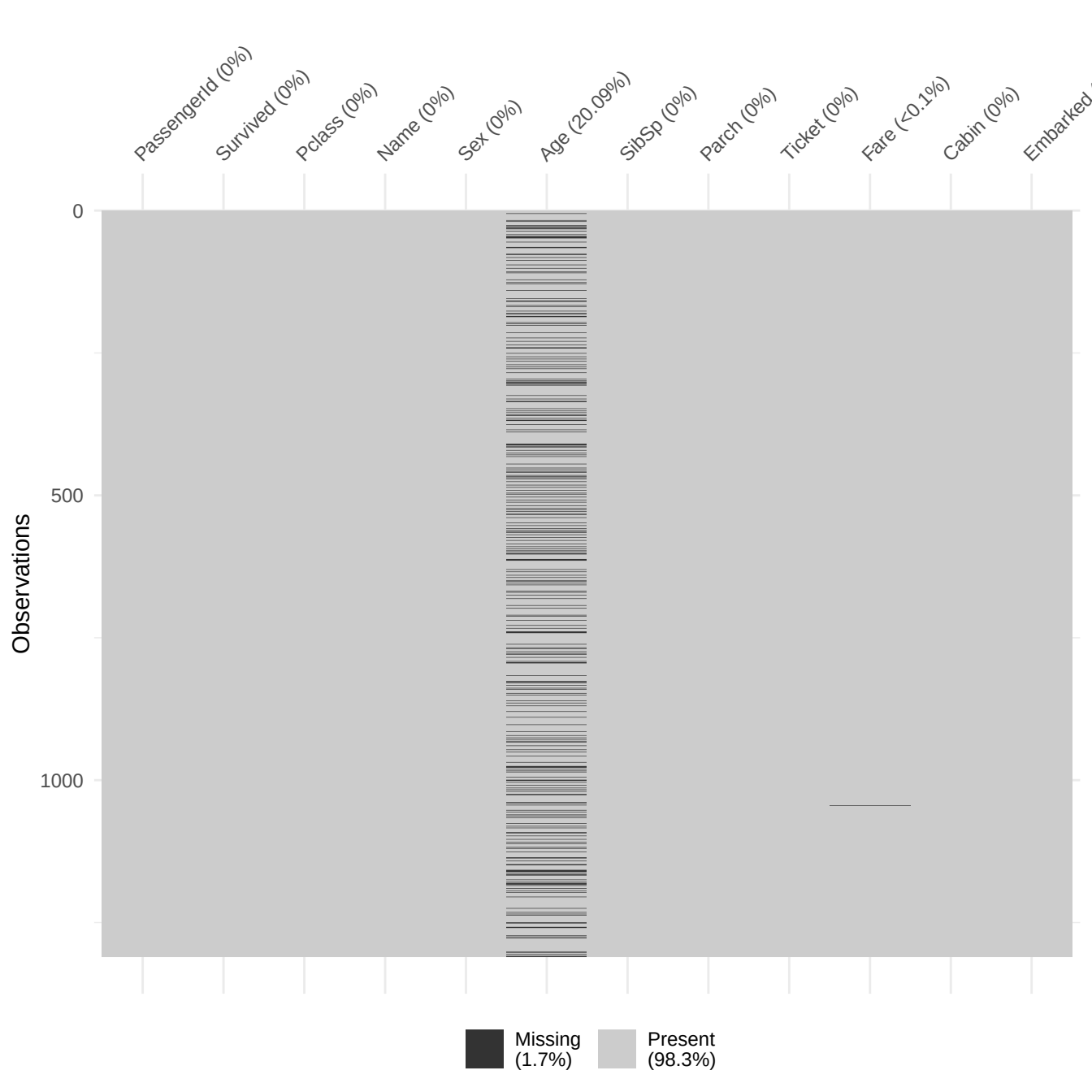
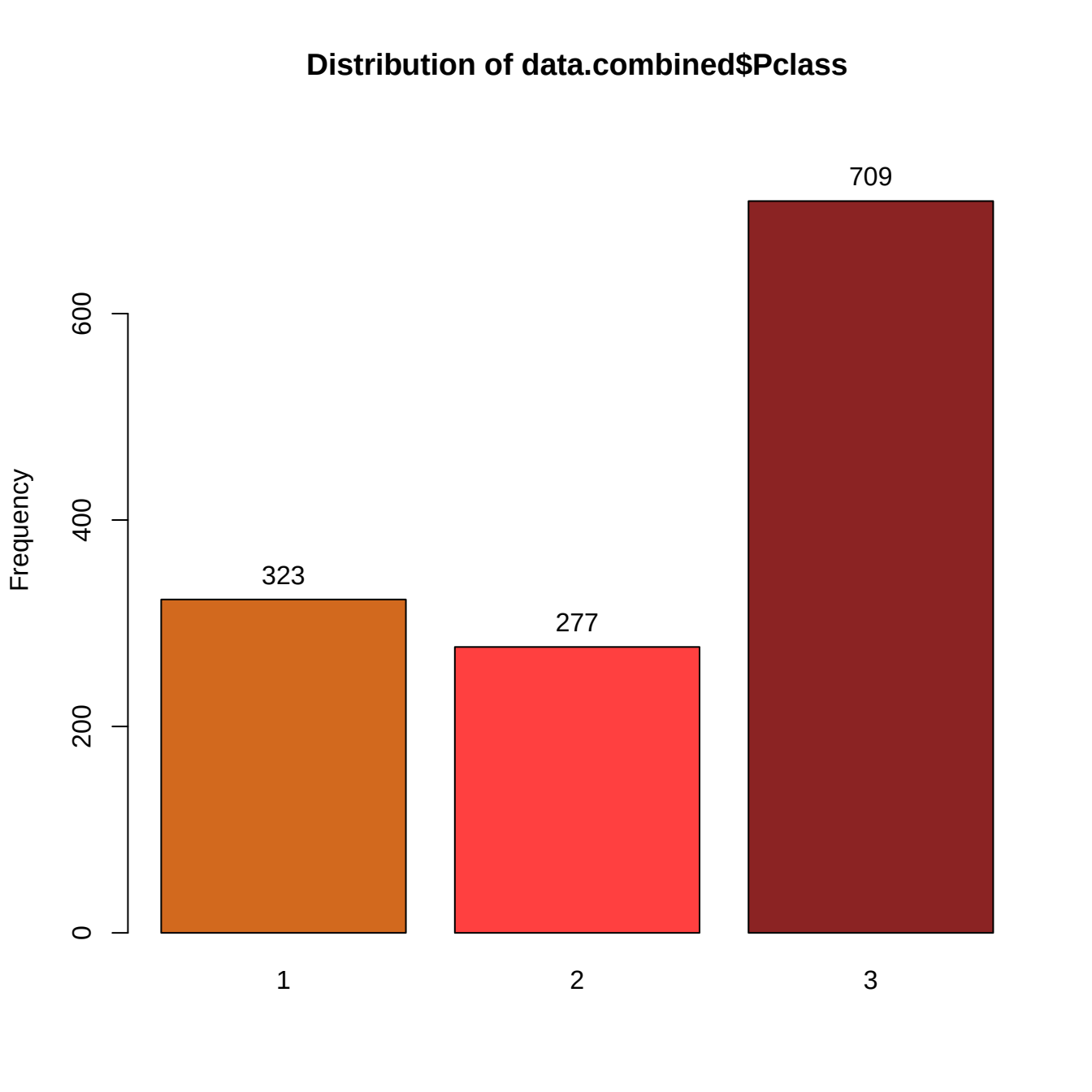
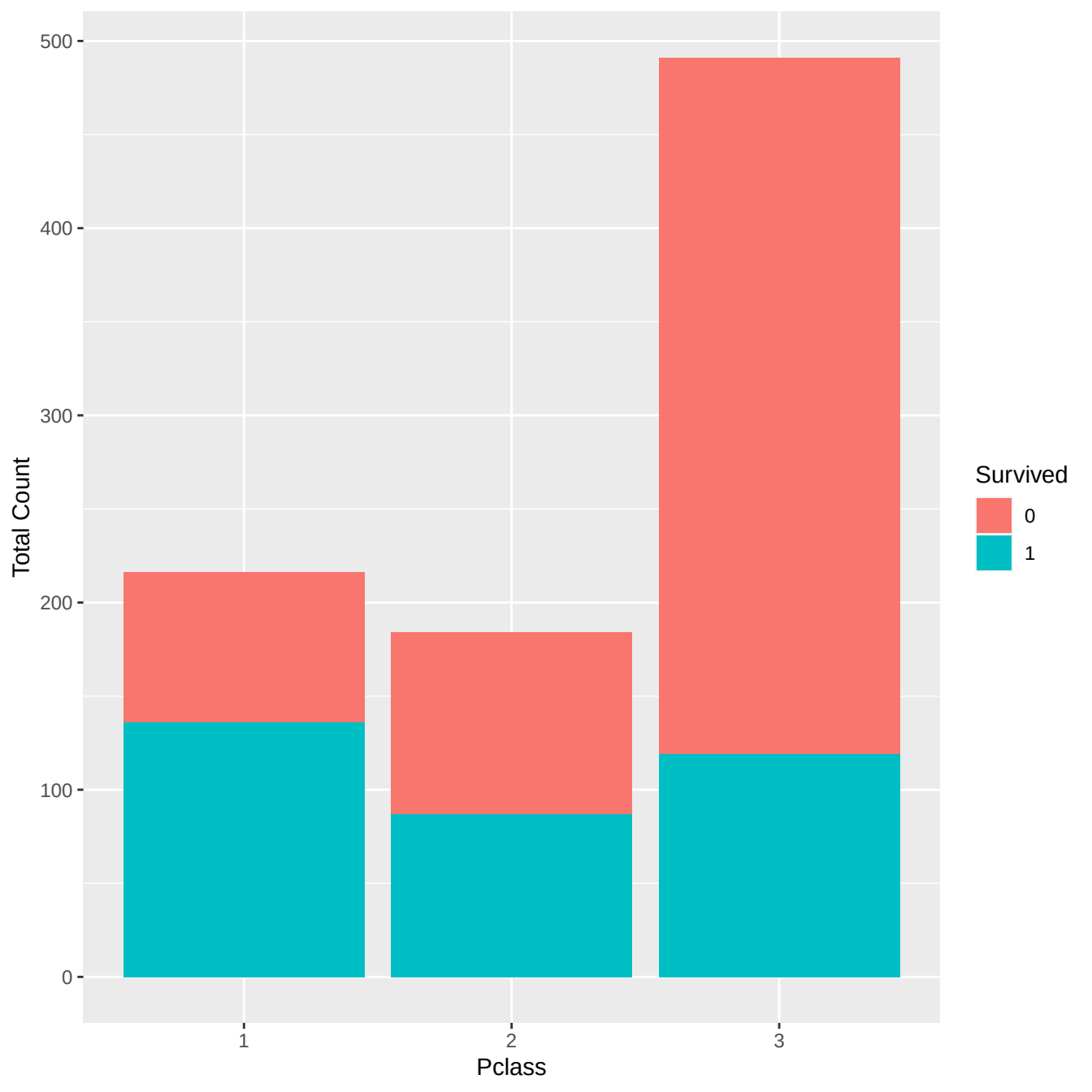
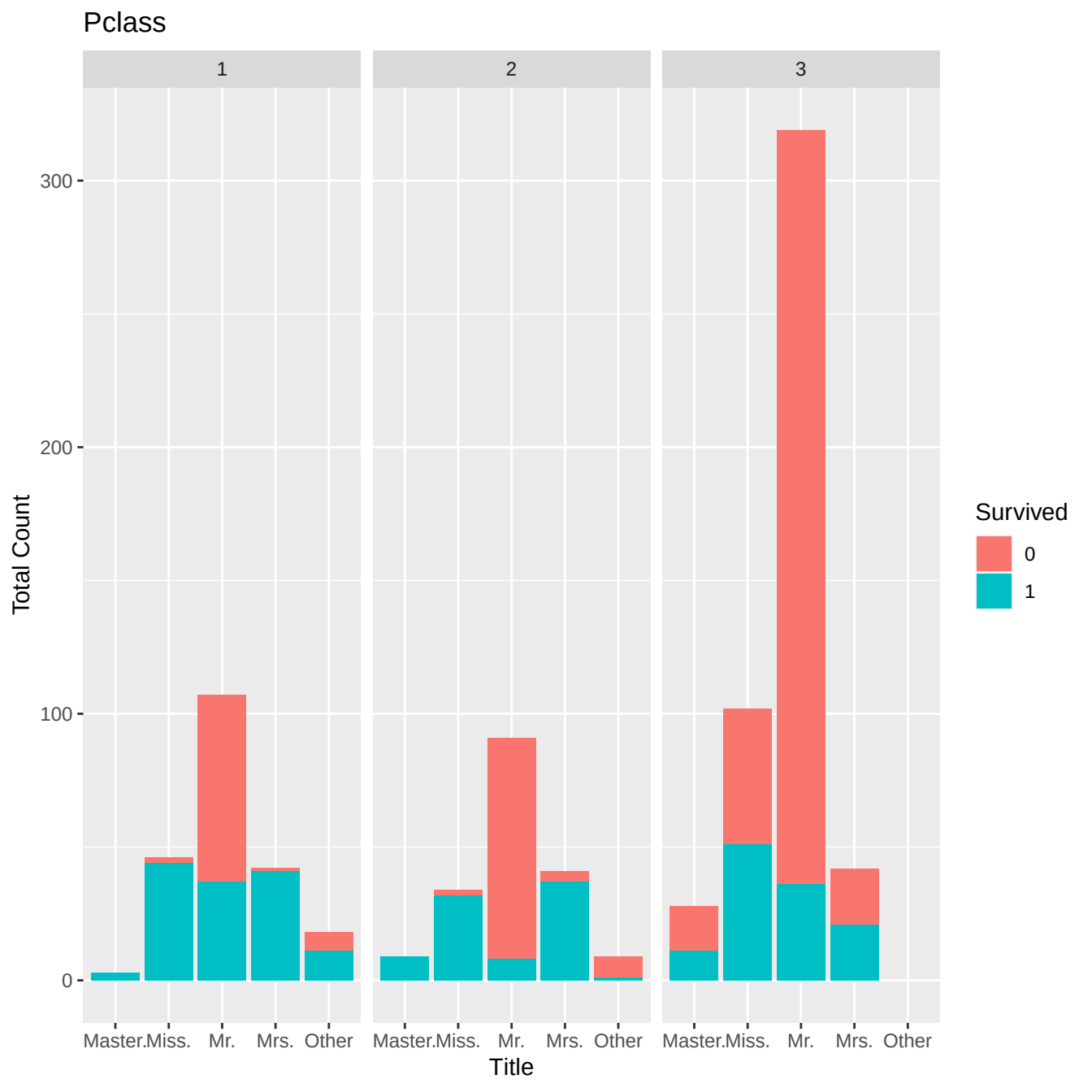

Sex
Ticket
Cabin
Embarked
Survived
Pclass
Name
PassengerId
SibSp
Parch
Age
Fare
0
500
1000
Observations
Type
character
factor
integer
numeric
NA

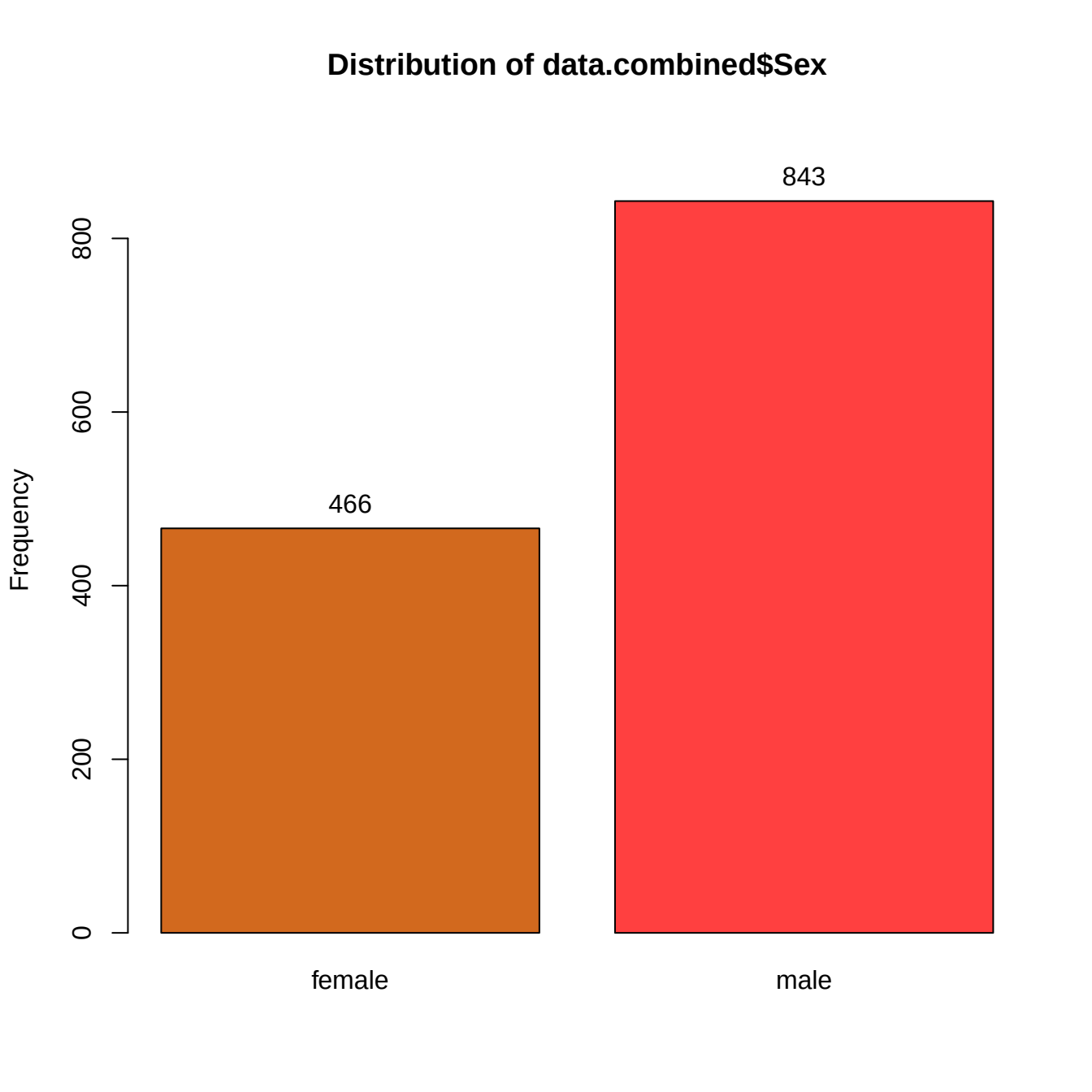

PassengerId (0%)
Survived (0%)
Pclass (0%)
Name (0%)
Sex (0%)
Age (20.09%)
SibSp (0%)
Parch (0%)
Ticket (0%)
Fare (<0.1%)
Cabin (0%)
Embarked
0
500
1000
Observations
Missing
(1.7%)
Present
(98.3%)

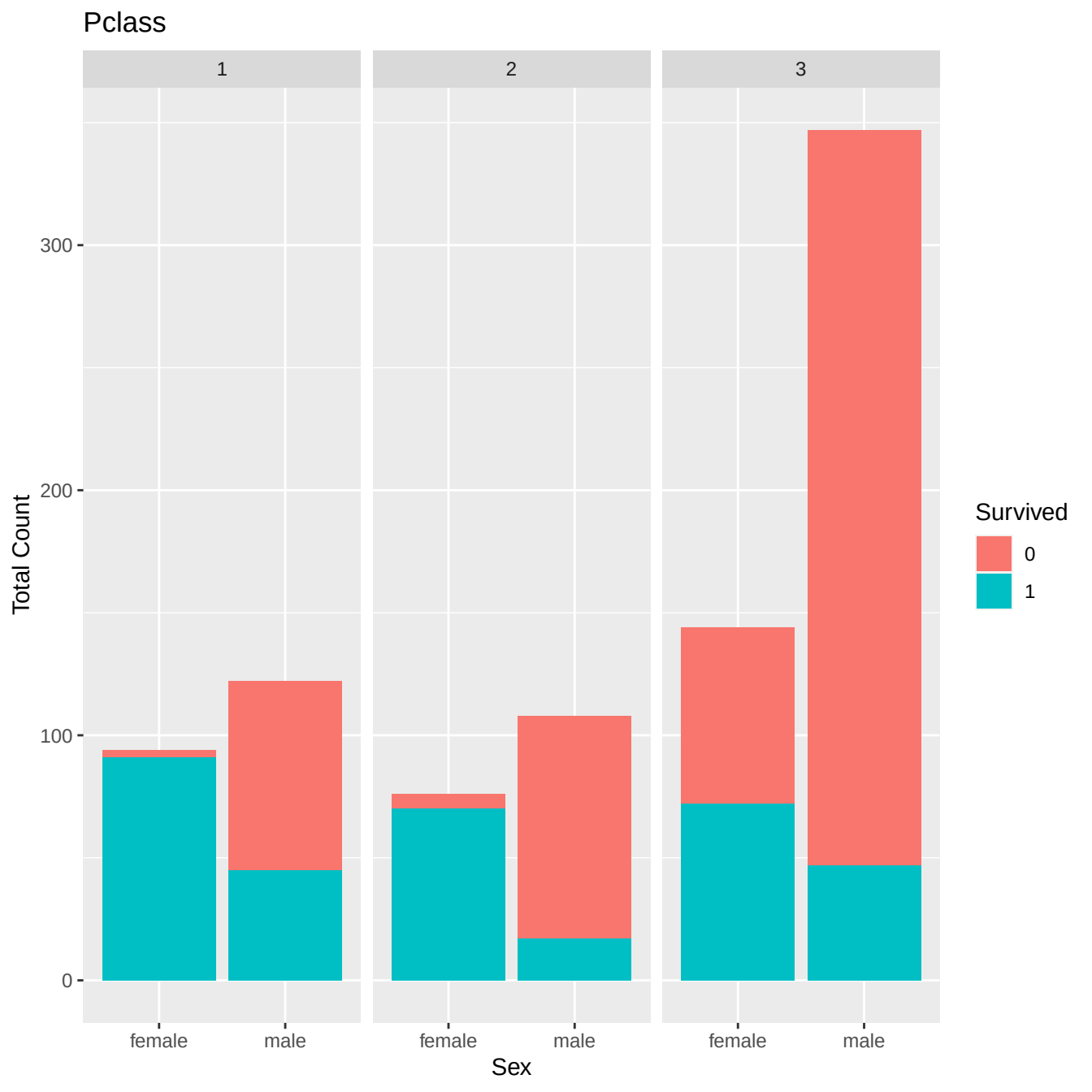
Distribution of data.combined$Survived
Frequency
0
100
200
300
400
500
600
549
342
418
0
1
None

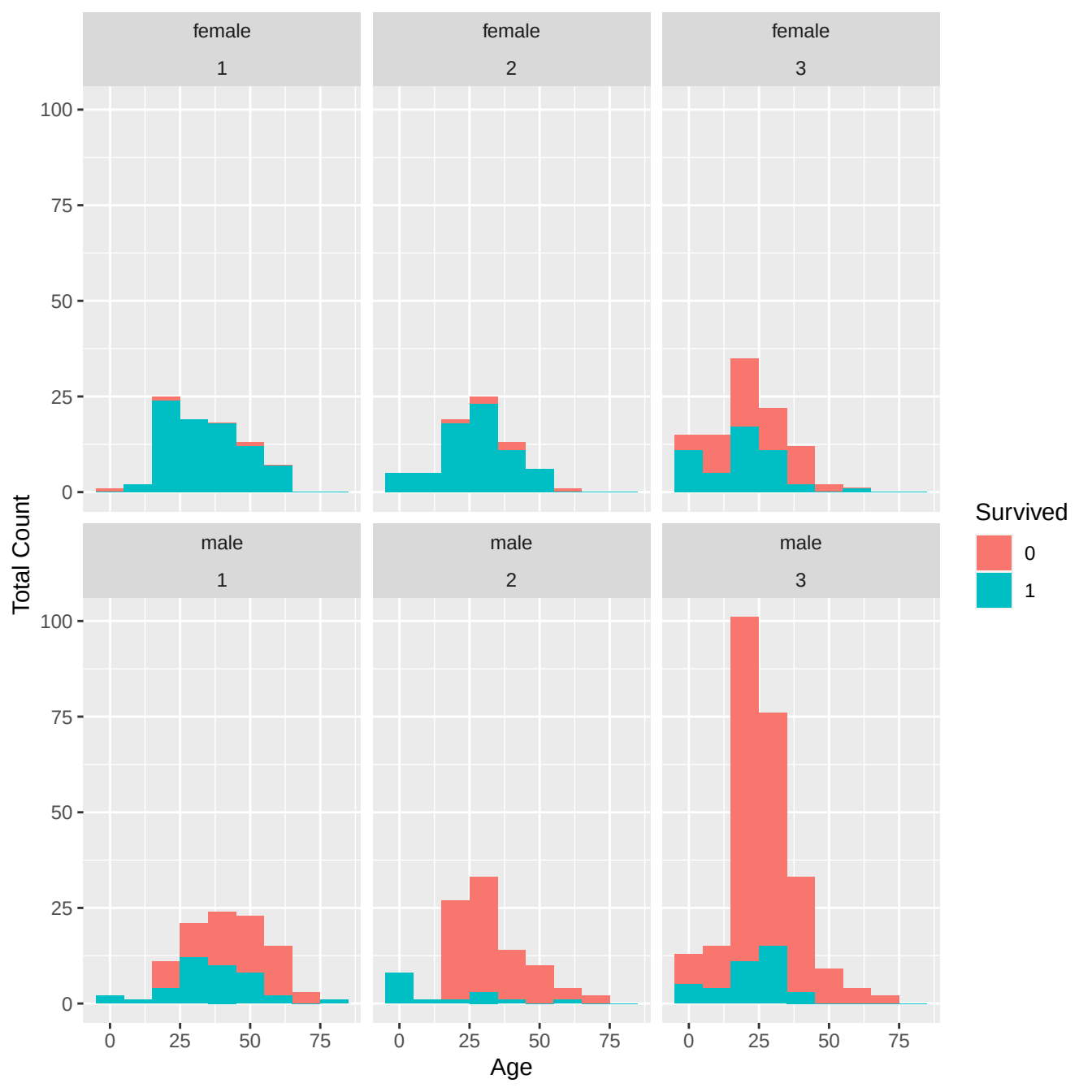

Distribution of data.combined$Pclass
Frequency
0
200
400
600
323
277
709
1
2
3

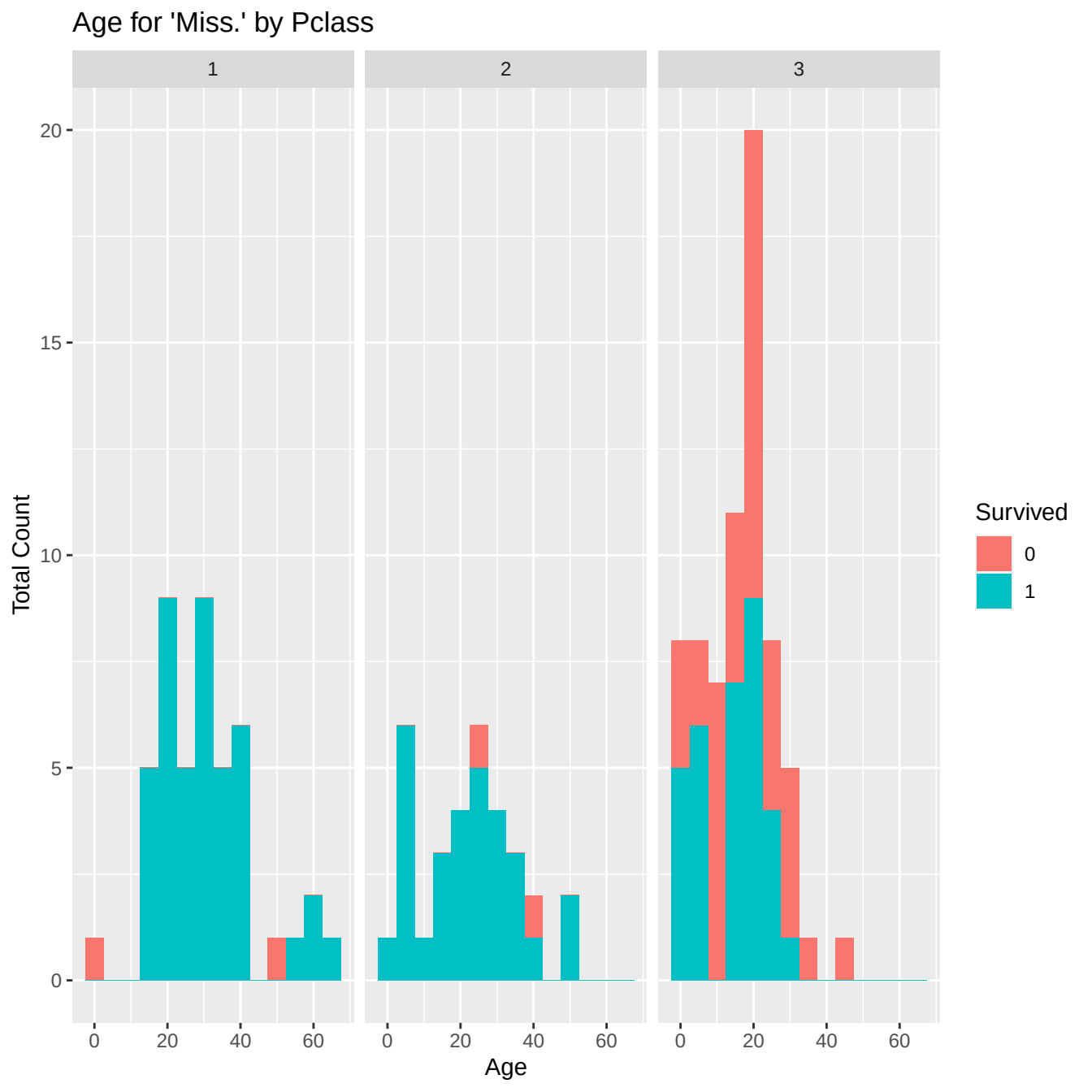

500
400
300
200
100
0
Total Count
1
2
3
Pclass
Survived
0
1

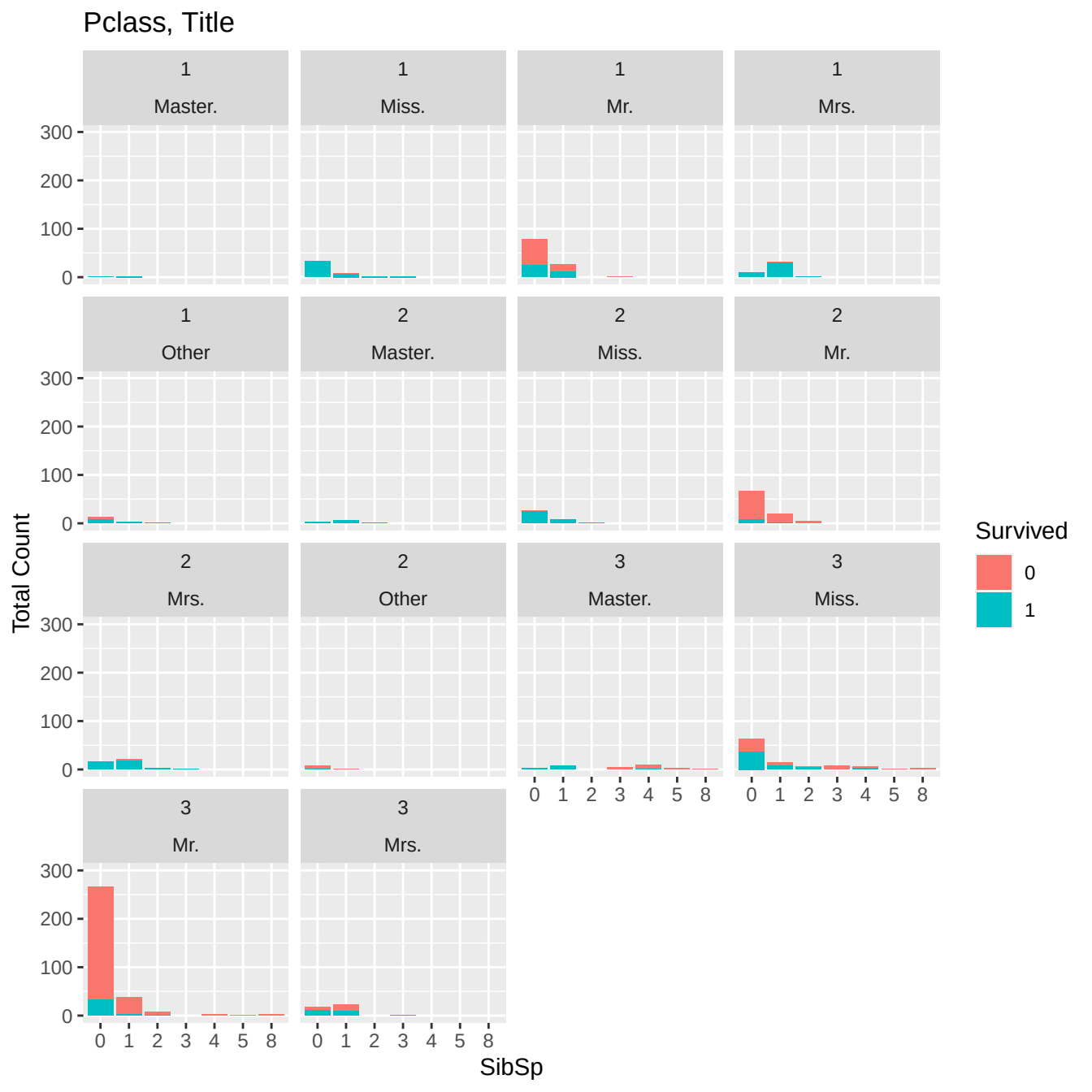

Pclass
1
2
3
300
200
100
0
Total Count
Master.
Miss.
Mr.
Mrs.
Other
Title
Survived
0
1

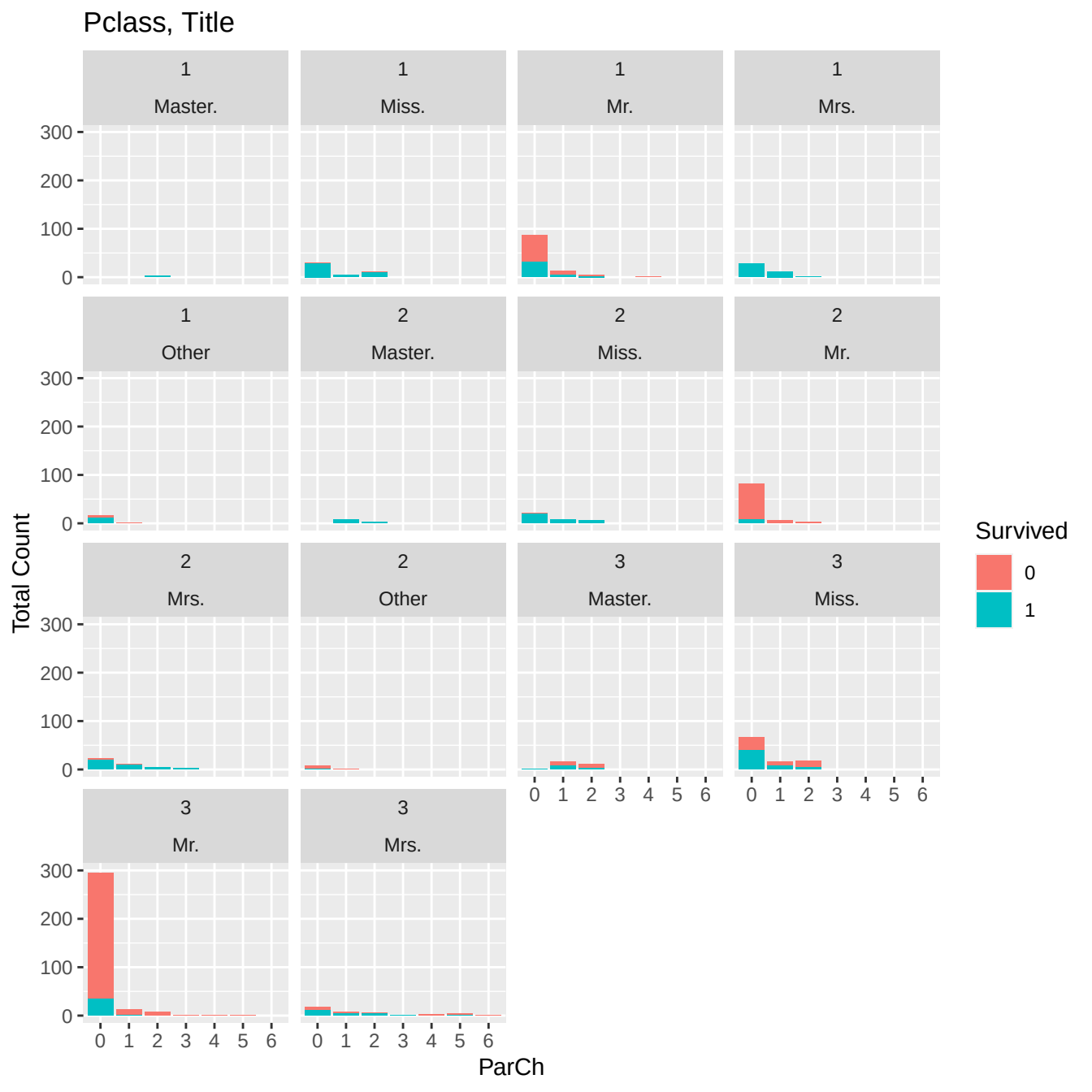

Distribution of data.combined$Sex
Frequency
0
200
400
600
800
466
843
female
male

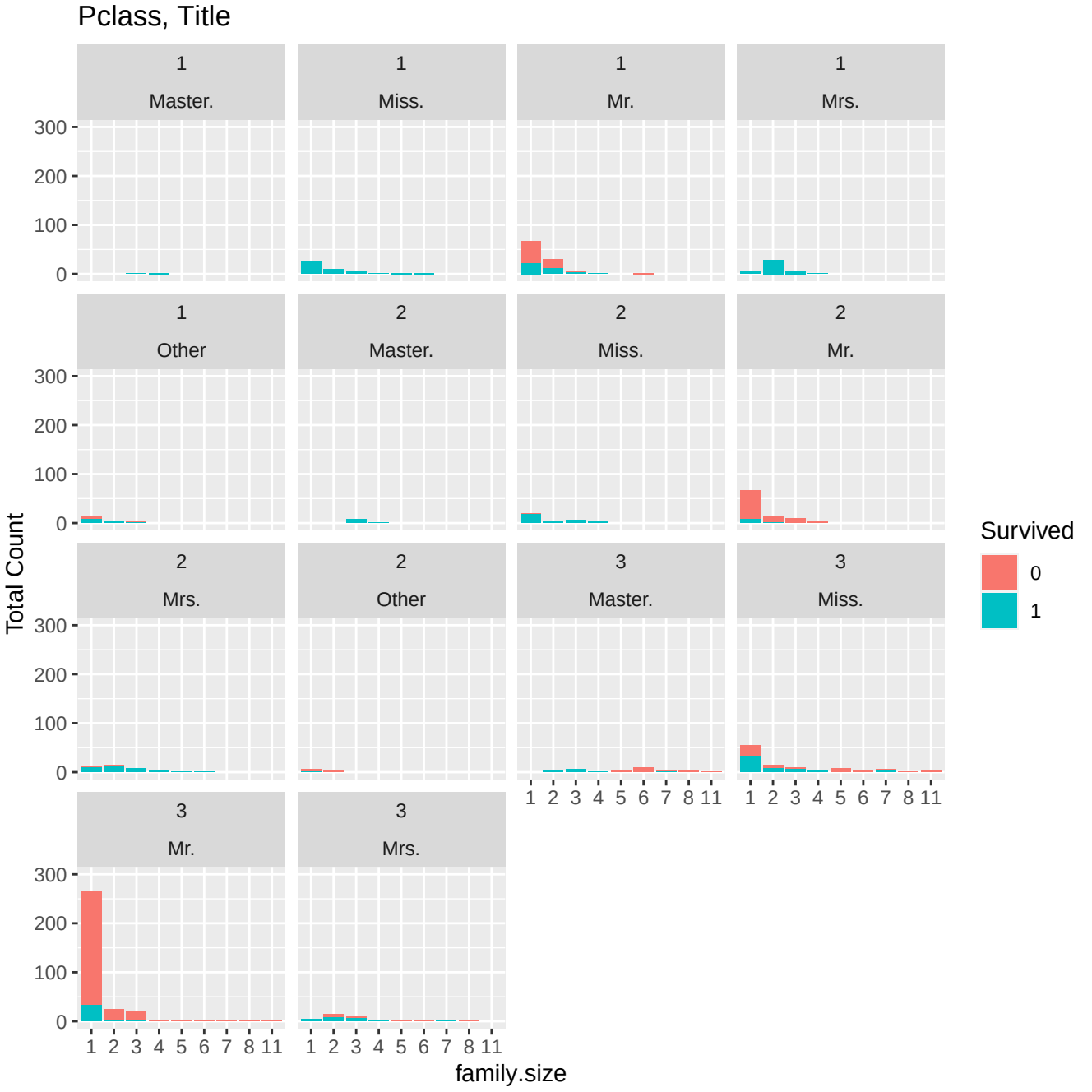

Pclass
1
2
3
300
200
100
0
Total Count
female
male
female
male
female
male
Sex
Survived
0
1

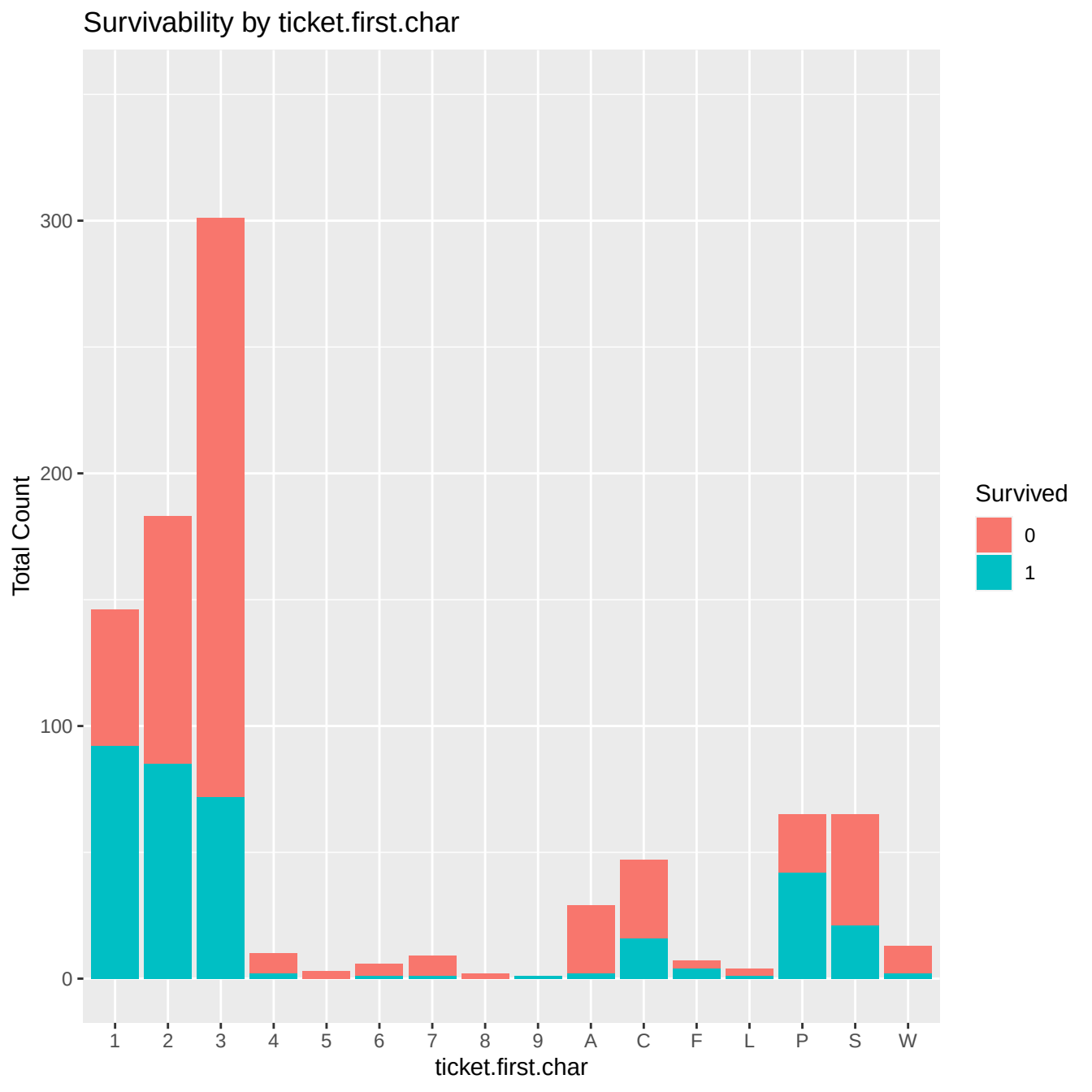

female
1
female
2
female
3
male
1
male
2
male
3
Total Count
Age
Survived
0
1
0
25
50
75
100

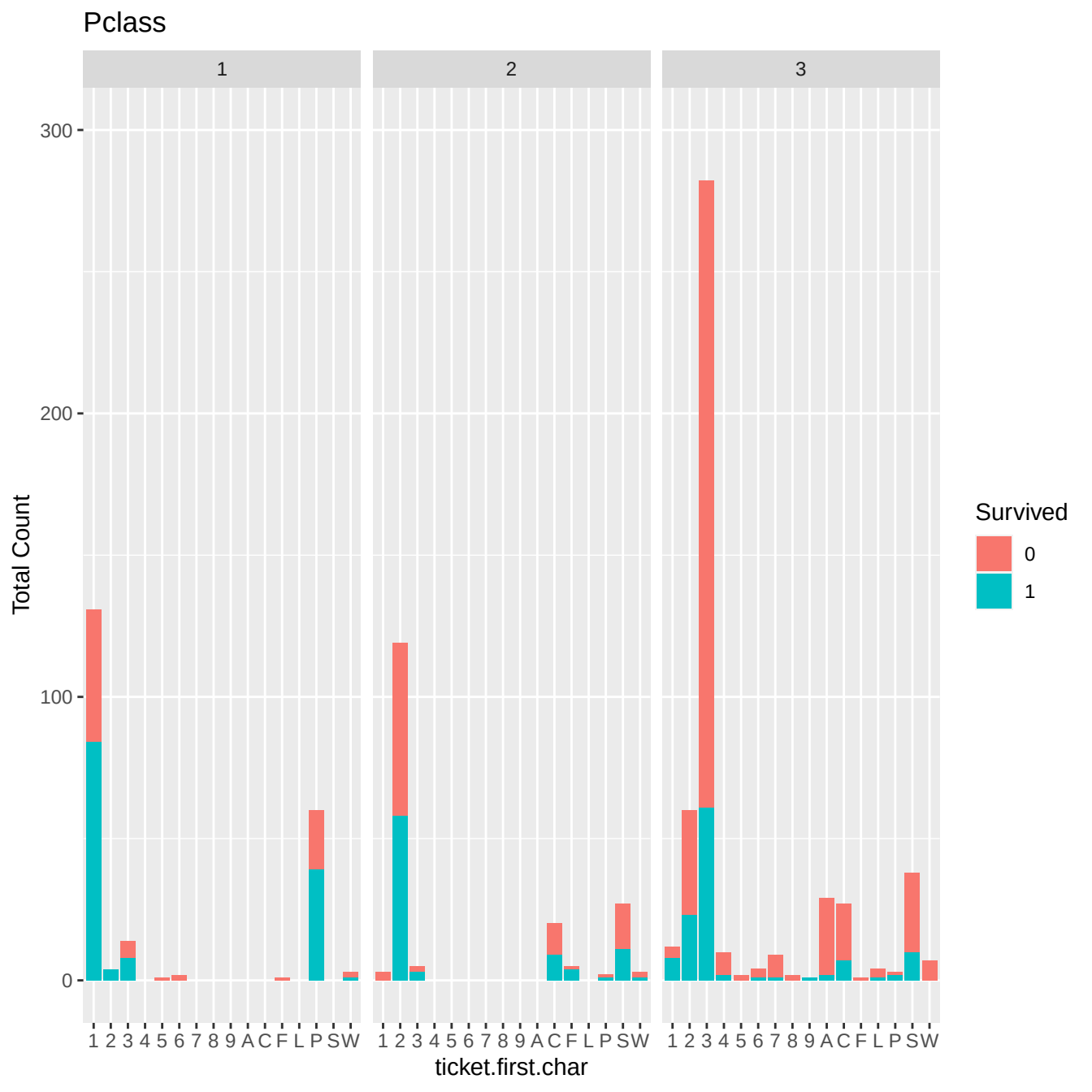

Age for 'Miss.' by Pclass
1
2
3
Total Count
0
5
10
15
20
0
20
40
60
Age
Survived
0
1

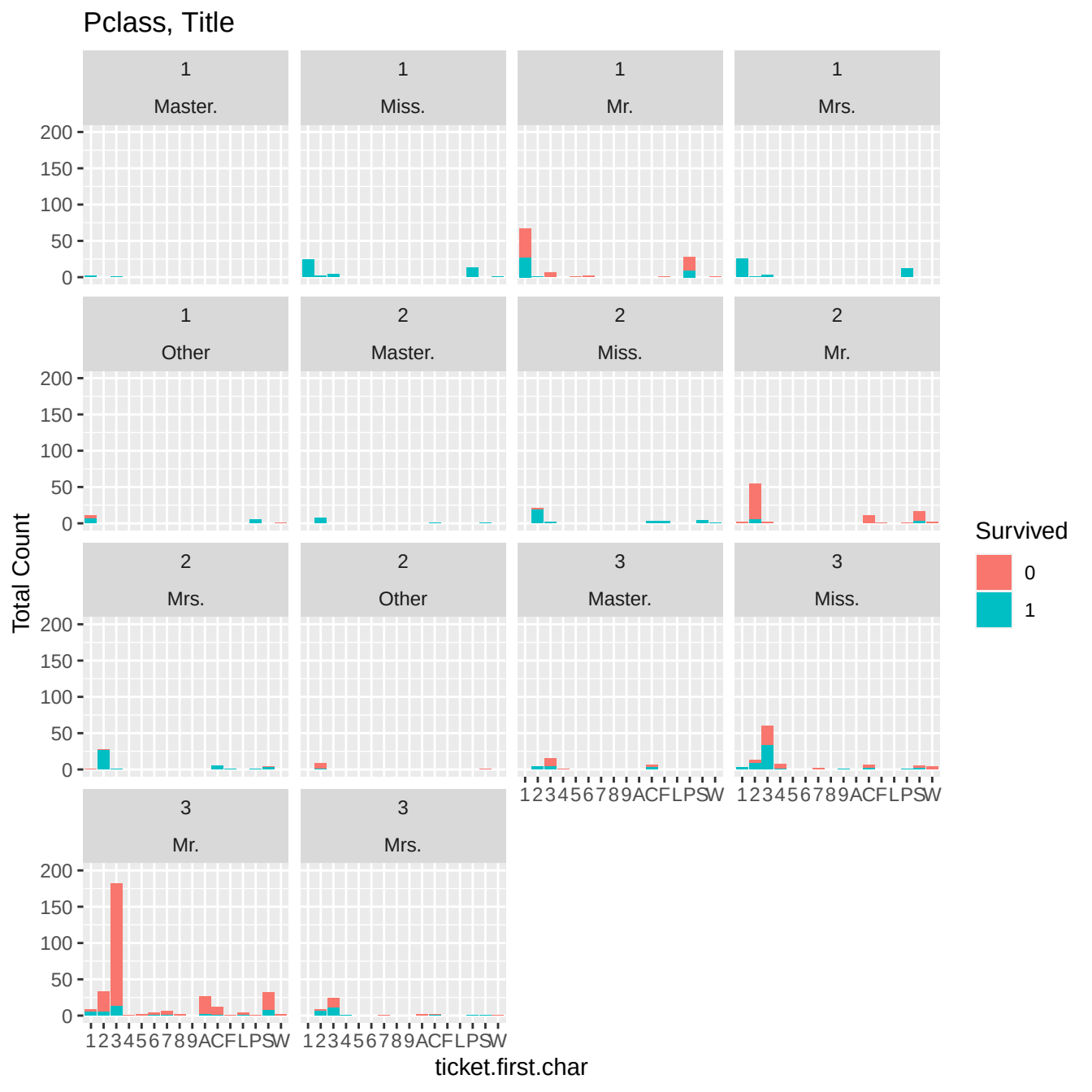

Pclass, Title
1
Master.
1
Miss.
1
Mr.
1
Mrs.
1
Other
2
Master.
2
Miss.
2
Mr.
2
Mrs.
2
Other
3
Master.
3
Miss.
3
Mr.
3
Mrs.
300
200
100
0
0 1 2 3 4 5 8
Total Count
SibSp
Survived
0
1

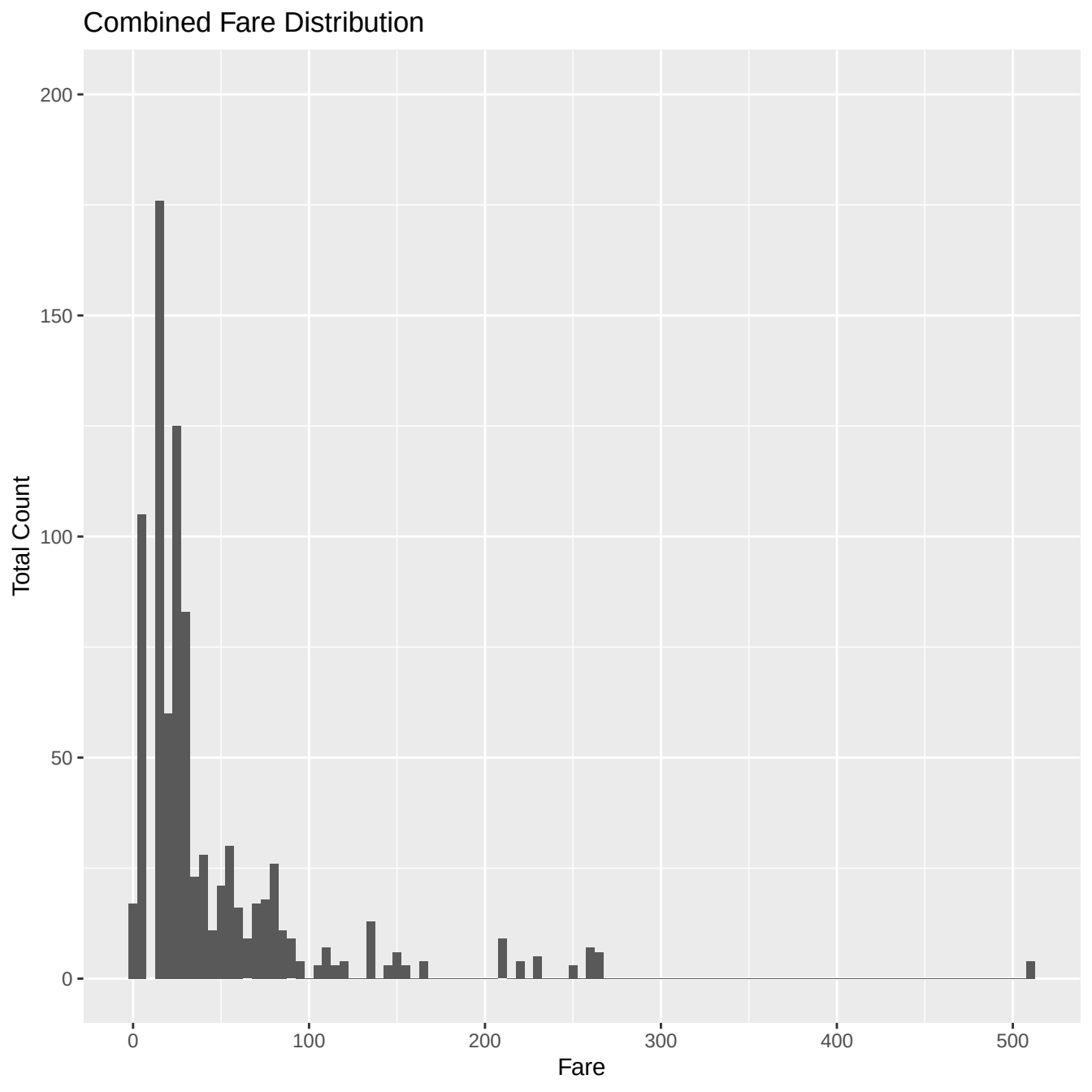

Pclass, Title
1
Master.
1
Miss.
1
Mr.
1
Mrs.
1
Other
2
Master.
2
Miss.
2
Mr.
2
Mrs.
2
Other
3
Master.
3
Miss.
3
Mr.
3
Mrs.
300
200
100
0
0 1 2 3 4 5 6
Total Count
ParCh
Survived
0
1

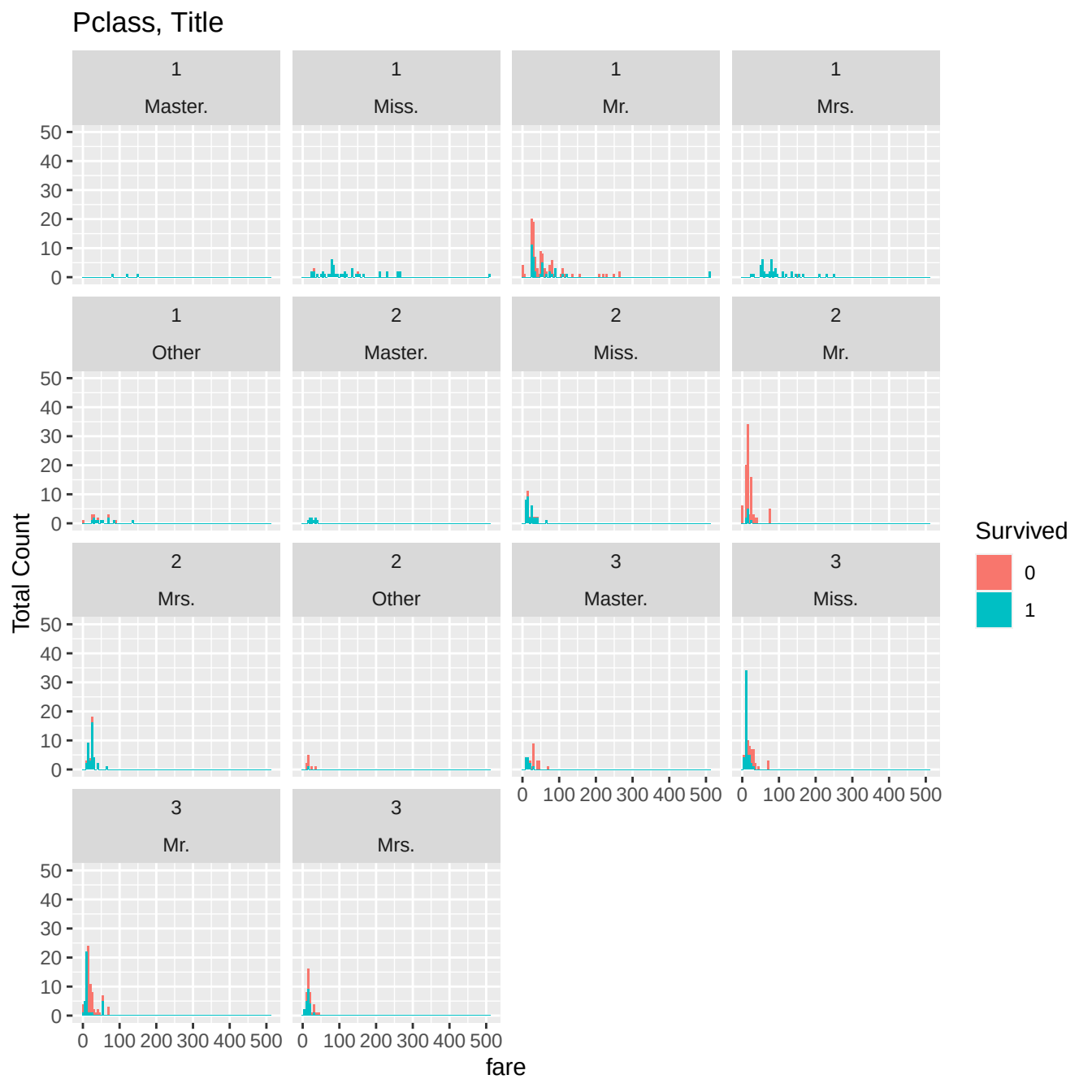

Pclass, Title
1 Master.
1 Miss.
1 Mr.
1 Mrs.
1 Other
2 Master.
2 Miss.
2 Mr.
2 Mrs.
2 Other
3 Master.
3 Miss.
3 Mr.
3 Mrs.
Total Count
0
100
200
300
1 2 3 4 5 6 7 8 11
family.size
Survived
0
1

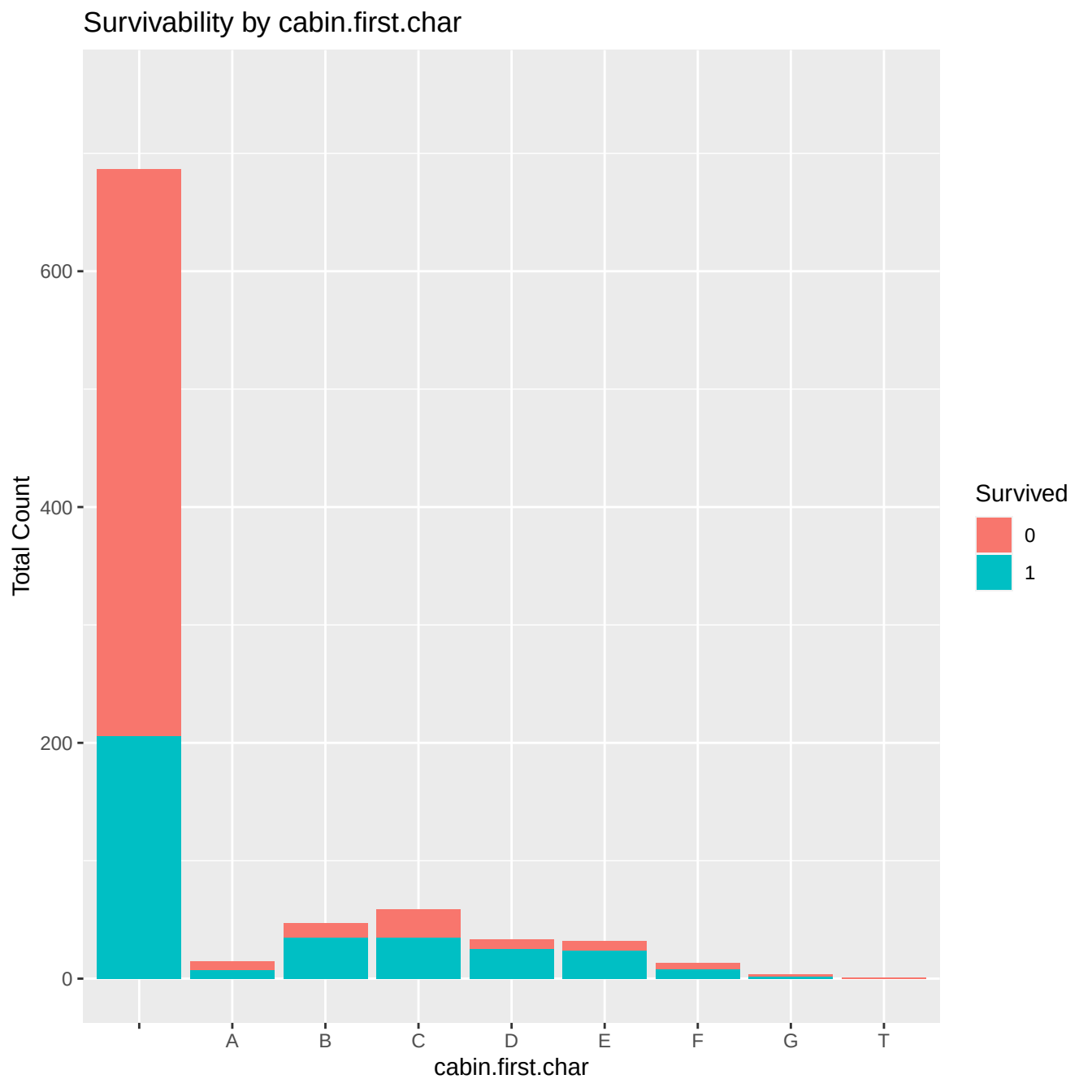

Survivability by ticket.first.char
Total Count
300
200
100
0
1
2
3
4
5
6
7
8
9
A
C
F
L
P
S
W
ticket.first.char
Survived
0
1

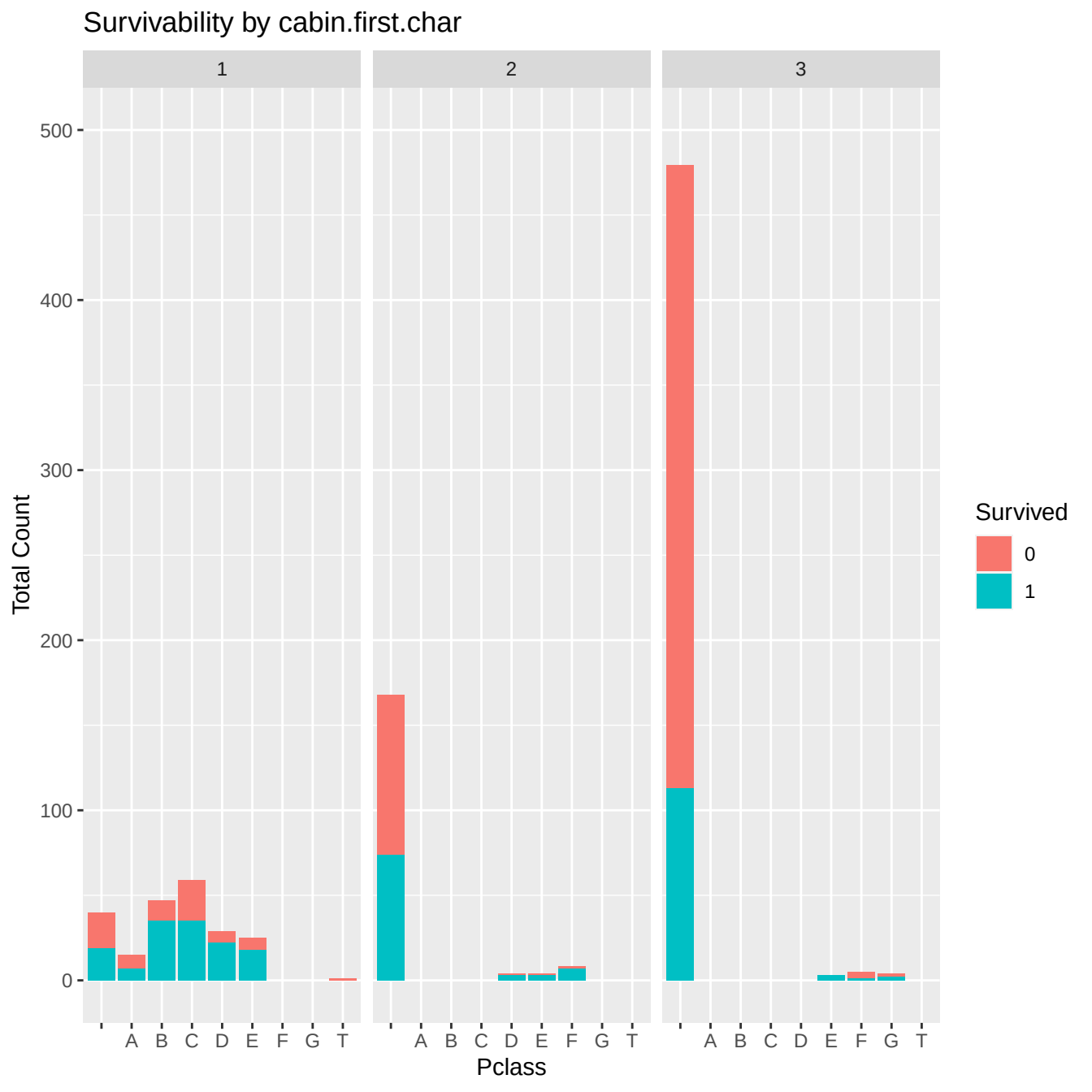

Pclass
1
2
3
300
200
100
0
Total Count
1 2 3 4 5 6 7 8 9 A C F L P S W
ticket.first.char
Survived
0
1

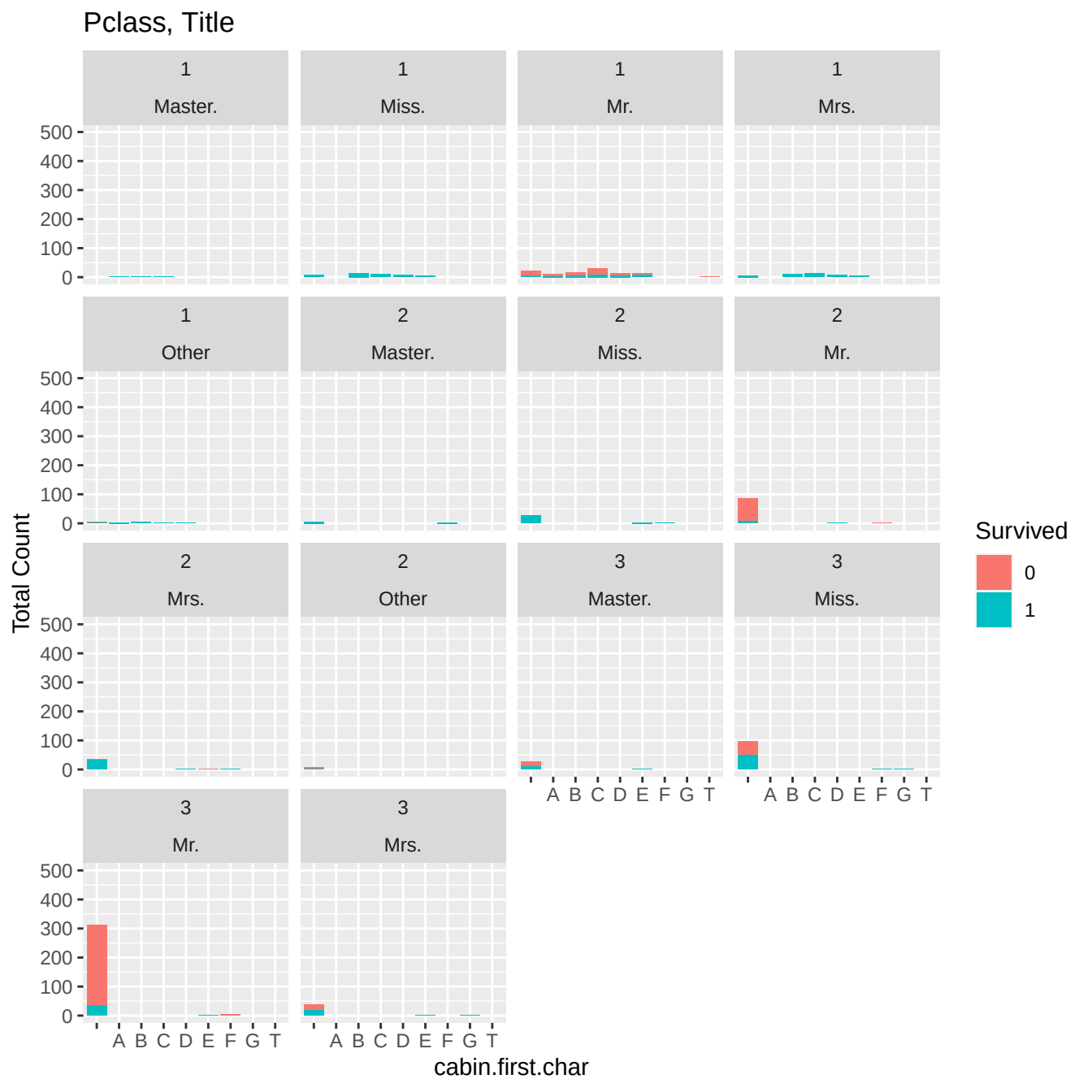

Pclass, Title
1 Master.
1 Miss.
1 Mr.
1 Mrs.
1 Other
2 Master.
2 Miss.
2 Mr.
2 Mrs.
2 Other
3 Master.
3 Miss.
3 Mr.
3 Mrs.
200
150
100
50
0
1 2 3 4 5 6 7 8 9 A C F L P S W
Total Count
ticket.first.char
Survived
0
1

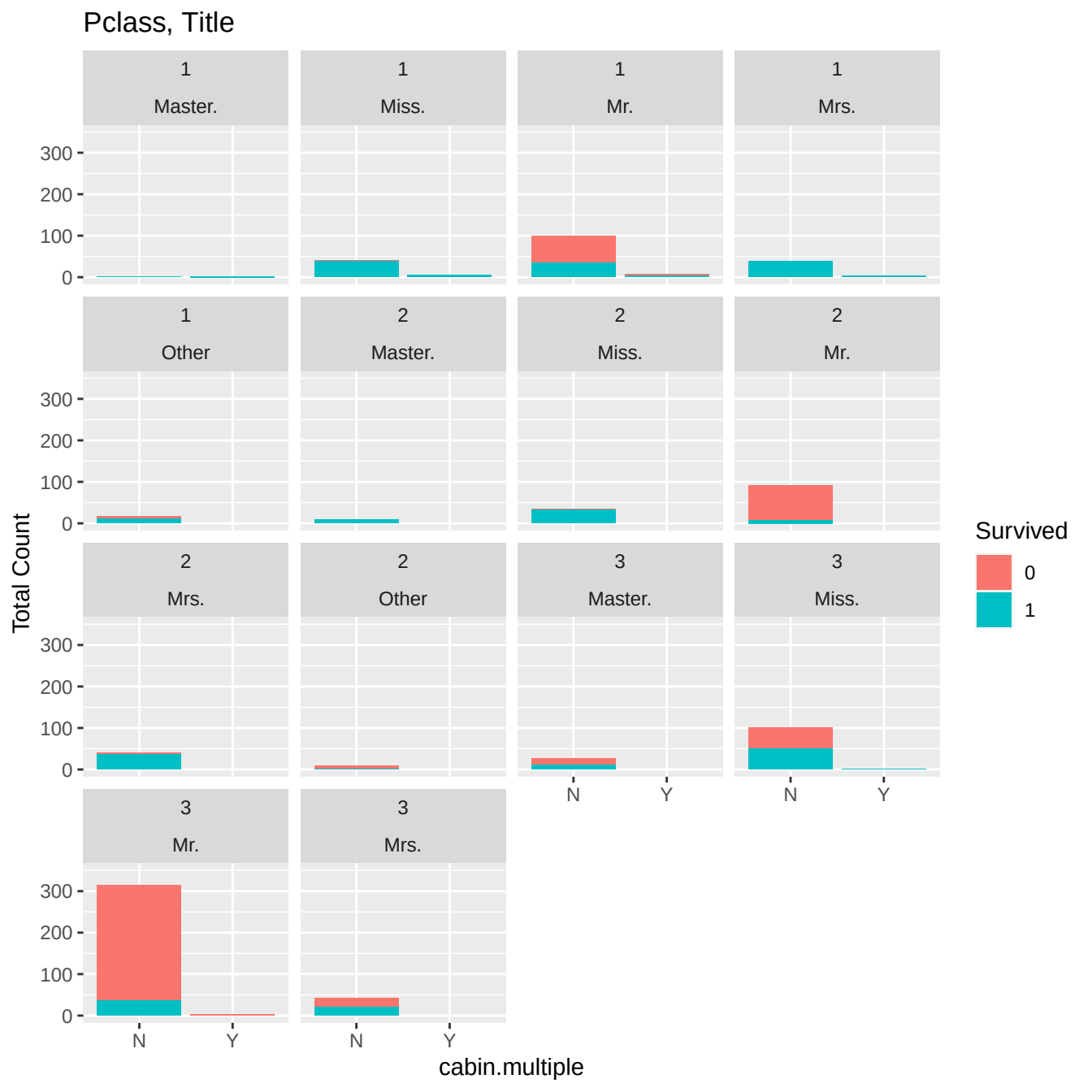

Combined Fare Distribution
Total Count
200
150
100
50
0
0
100
200
300
400
500
Fare

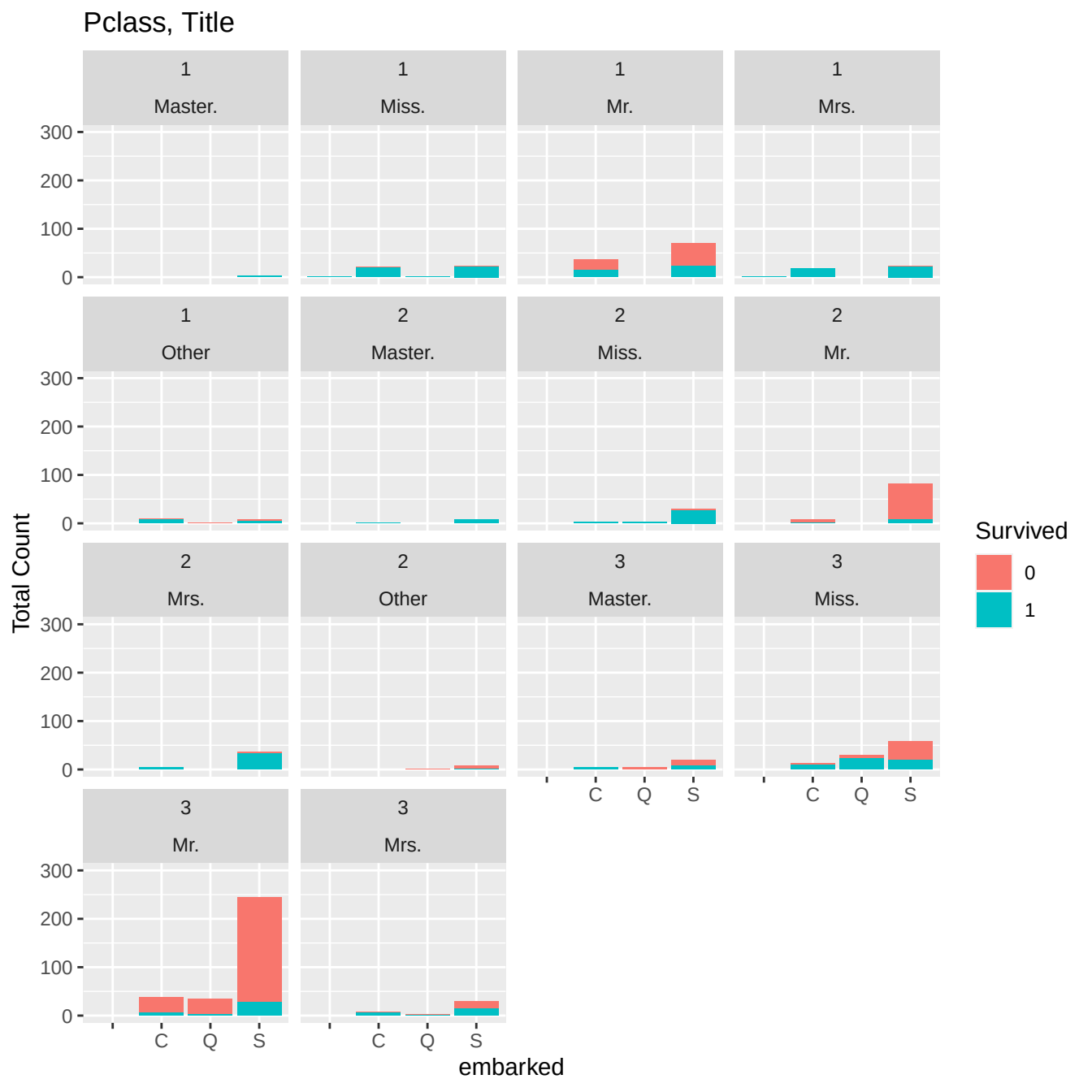

Pclass, Title
1
Master.
1
Miss.
1
Mr.
1
Mrs.
1
Other
2
Master.
2
Miss.
2
Mr.
2
Mrs.
2
Other
3
Master.
3
Miss.
3
Mr.
3
Mrs.
Total Count
0
10
20
30
40
50
0
100
200
300
400
500
fare
Survived
0
1


Survivability by cabin.first.char
Total Count
600
400
200
0
A
B
C
D
E
F
G
T
cabin.first.char
Survived
0
1


Survivability by cabin.first.char
1
2
3
500
400
300
200
100
0
Total Count
A B C D E F G T
Pclass
Survived
0
1


Pclass, Title
1 Master.
1 Miss.
1 Mr.
1 Mrs.
1 Other
2 Master.
2 Miss.
2 Mr.
2 Mrs.
2 Other
3 Master.
3 Miss.
3 Mr.
3 Mrs.
Total Count
0
100
200
300
400
500
A B C D E F G T
cabin.first.char
Survived
0
1


Pclass, Title
1 Master.
1 Miss.
1 Mr.
1 Mrs.
1 Other
2 Master.
2 Miss.
2 Mr.
2 Mrs.
2 Other
3 Master.
3 Miss.
3 Mr.
3 Mrs.
300
200
100
0
N
Y
Total Count
cabin.multiple
Survived
0
1


Pclass, Title
1 Master.
1 Miss.
1 Mr.
1 Mrs.
1 Other
2 Master.
2 Miss.
2 Mr.
2 Mrs.
2 Other
3 Master.
3 Miss.
3 Mr.
3 Mrs.
300
200
100
0
C
Q
S
Total Count
embarked
Survived
0
1