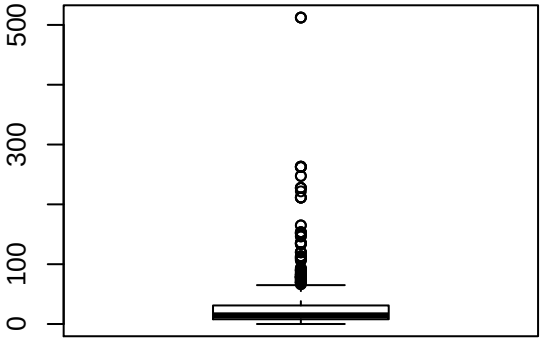
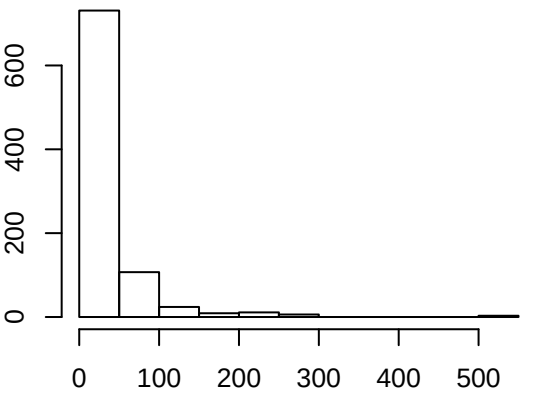
Outlier Check

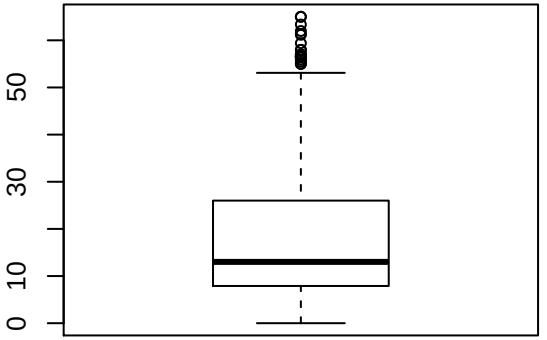
With outliers



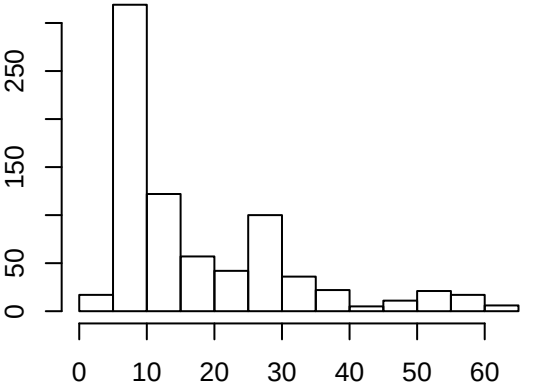
With outliers

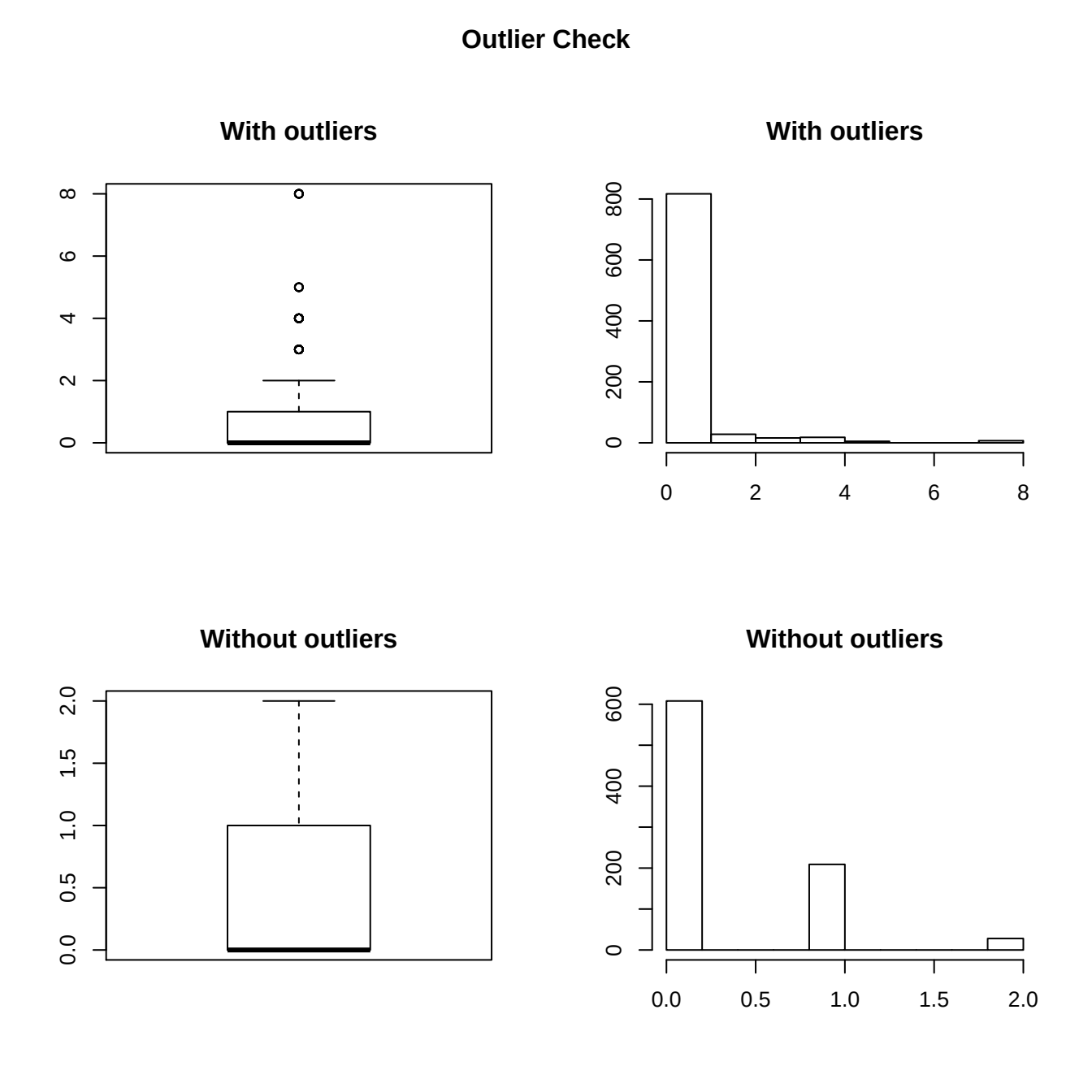


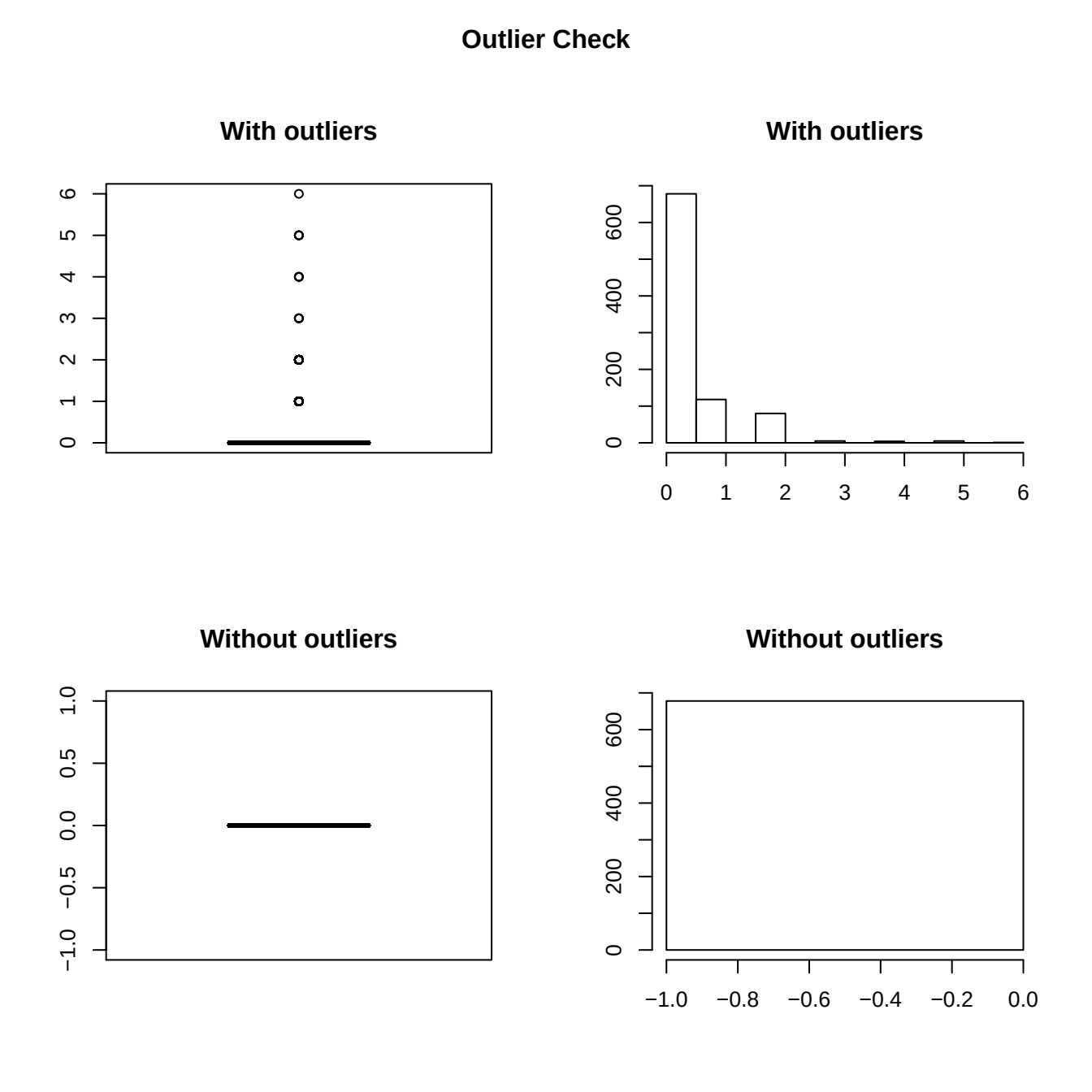
Without outliers

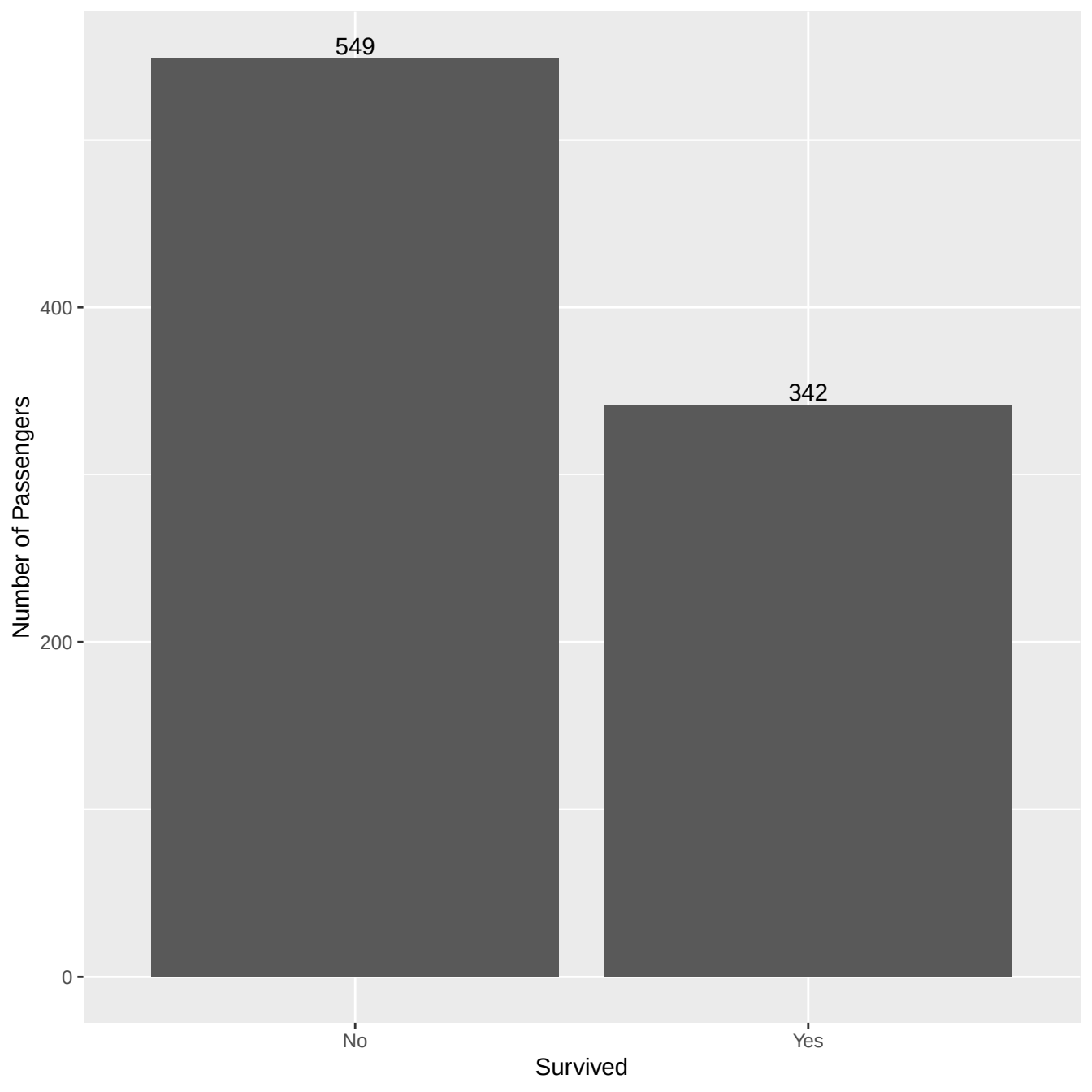


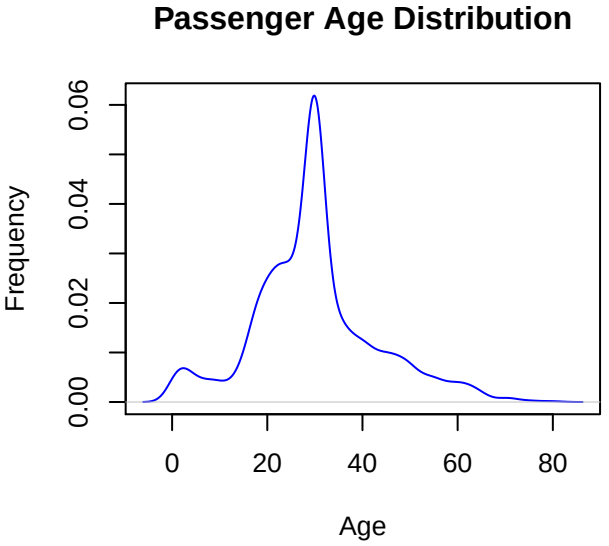
Without outliers

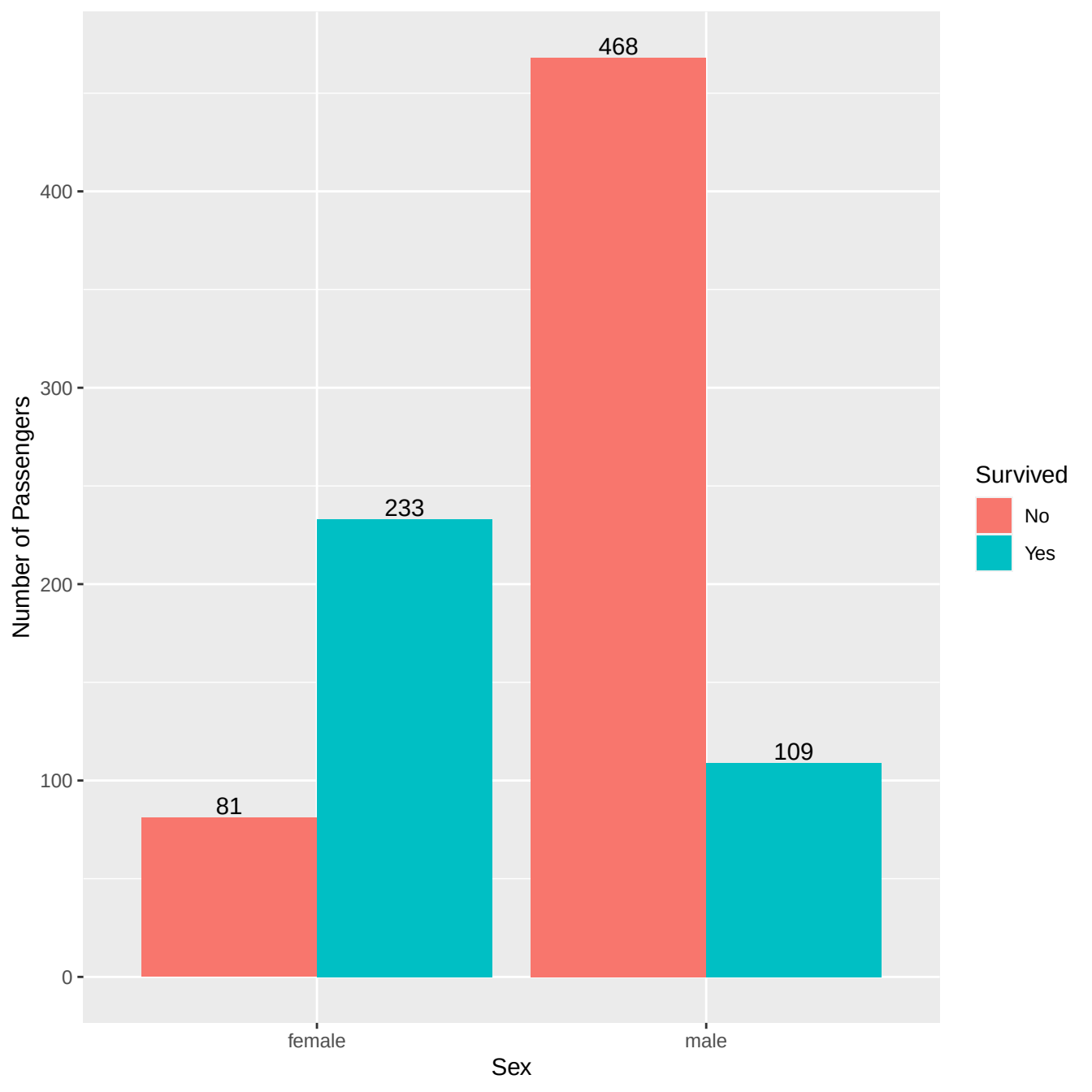


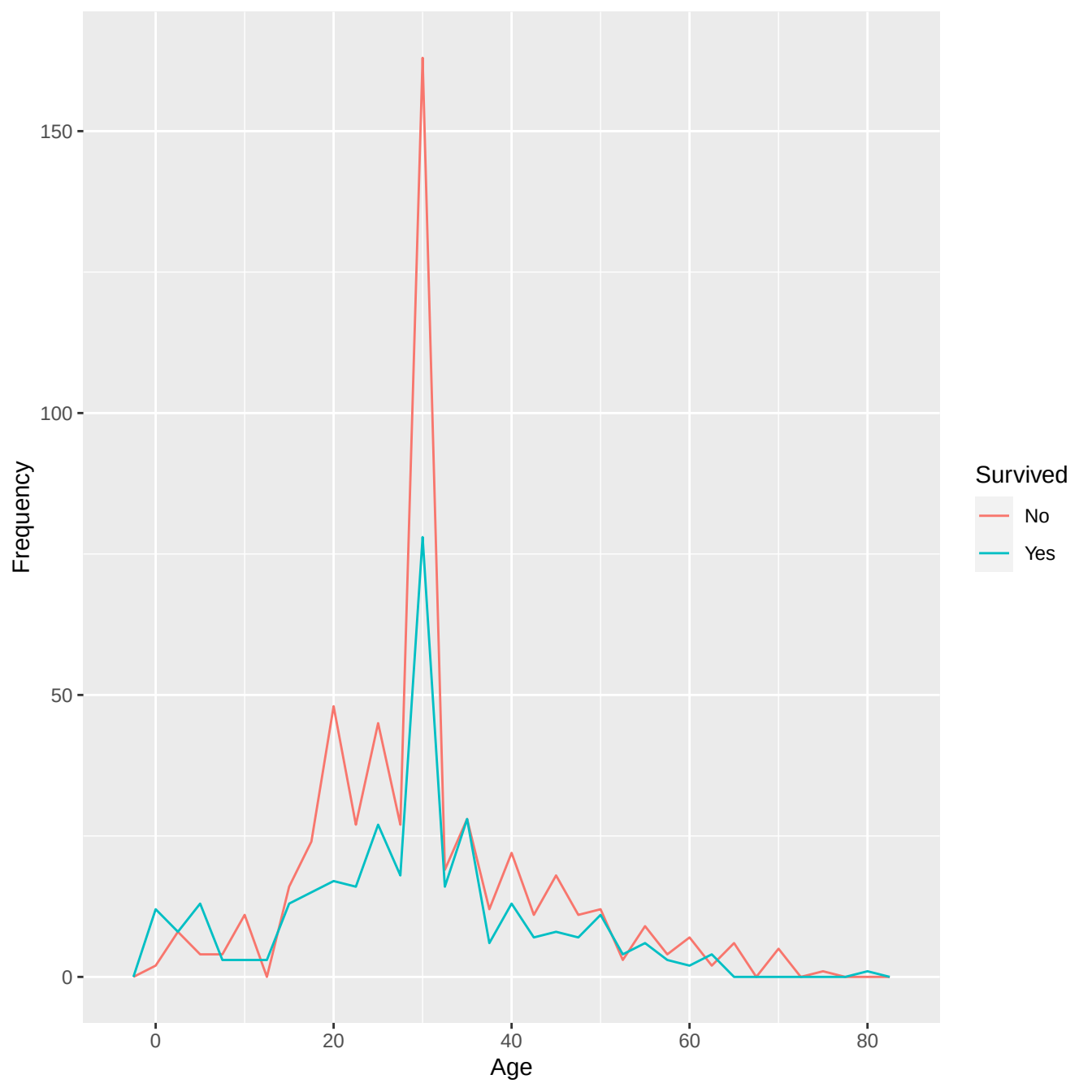

Outlier Check
With outliers
0
2
4
6
8
With outliers
0
200
400
600
800
0
2
4
6
8
Without outliers
0.0
0.5
1.0
1.5
2.0
Without outliers
0
200
400
600
0.0
0.5
1.0
1.5
2.0

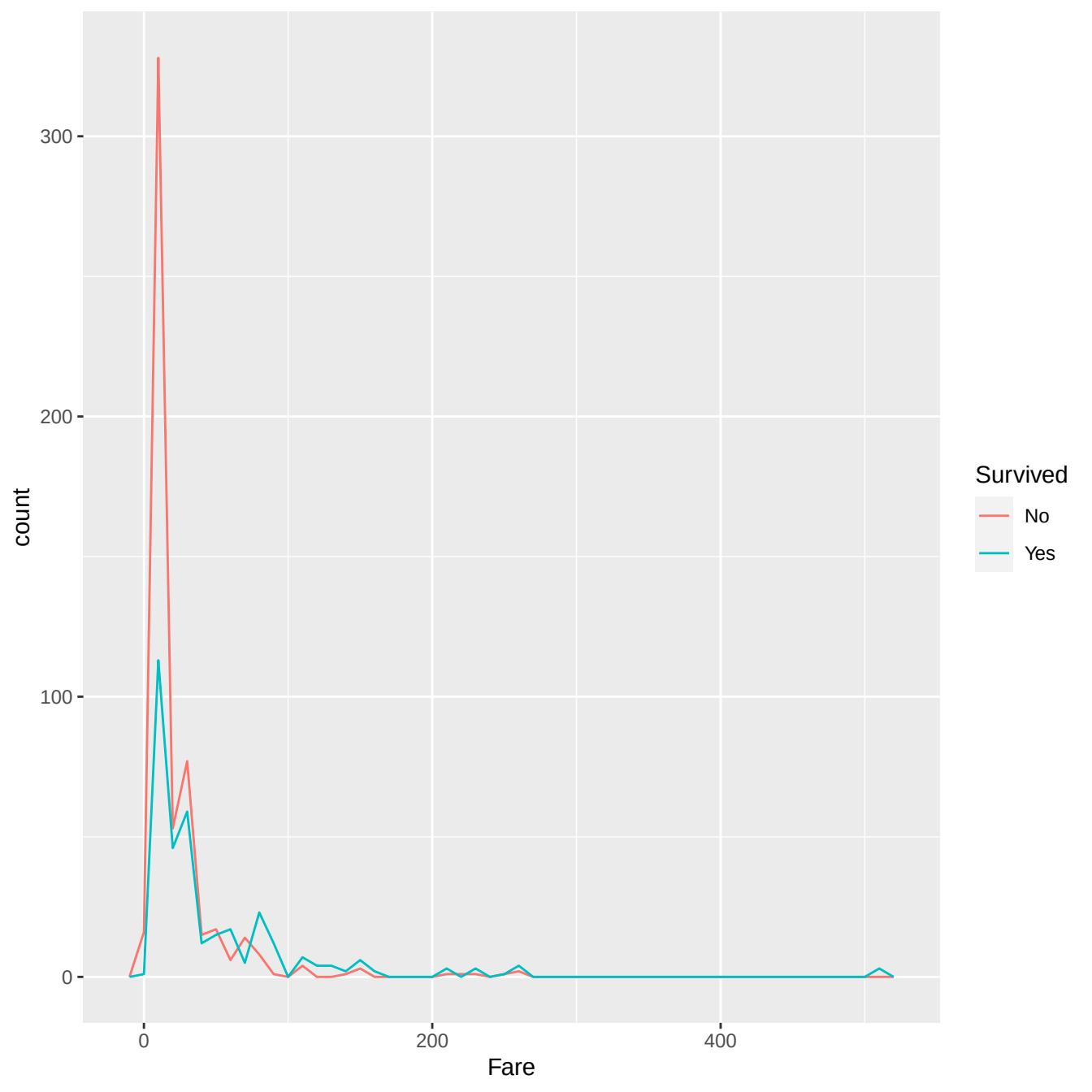

Outlier Check
With outliers
0
1
2
3
4
5
6
With outliers
0
200
400
600
0
1
2
3
4
5
6
Without outliers
−1.0
−0.5
0.0
0.5
1.0
Without outliers
0
200
400
600
−1.0
−0.8
−0.6
−0.4
−0.2
0.0

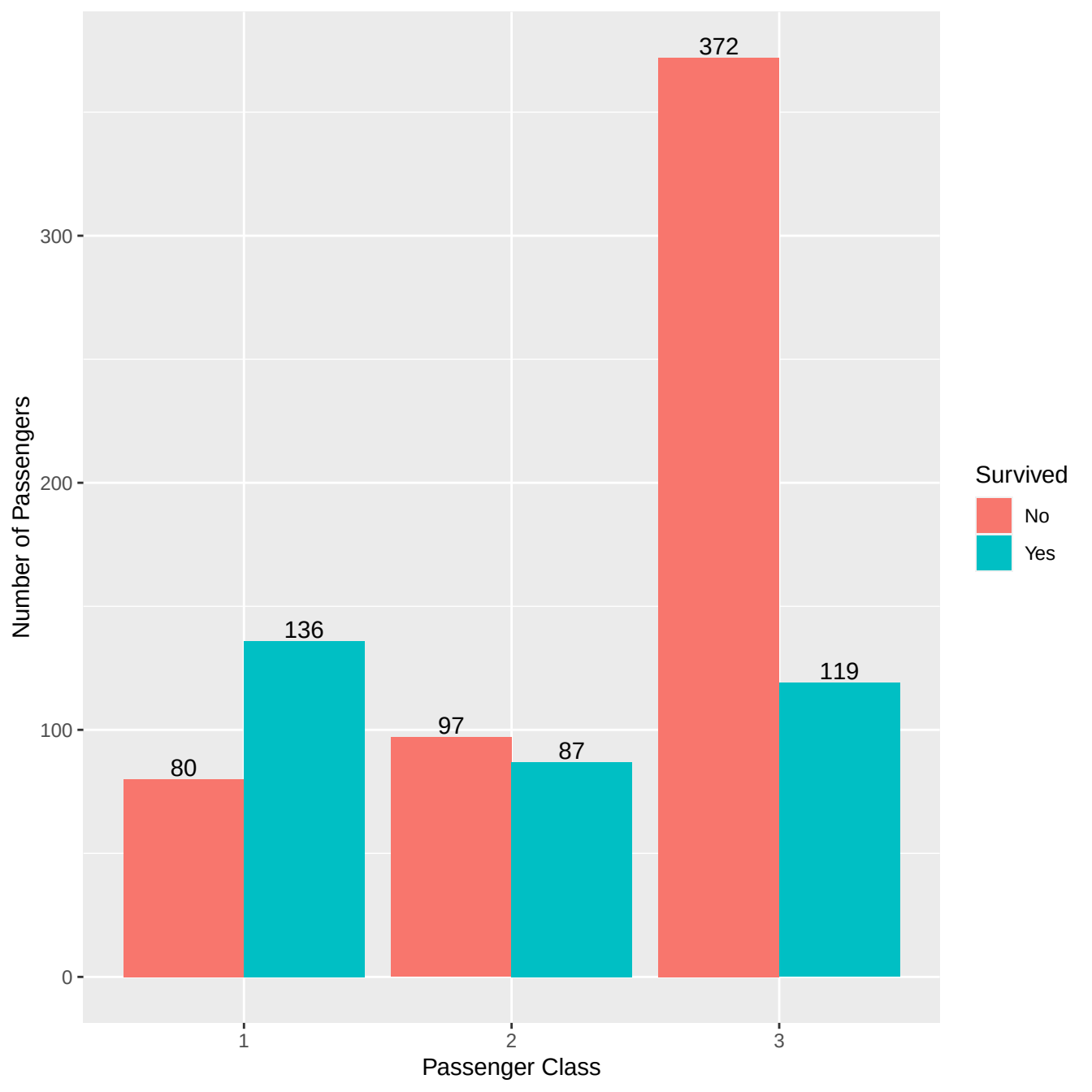

549
342
400
200
0
Number of Passengers
No
Yes
Survived

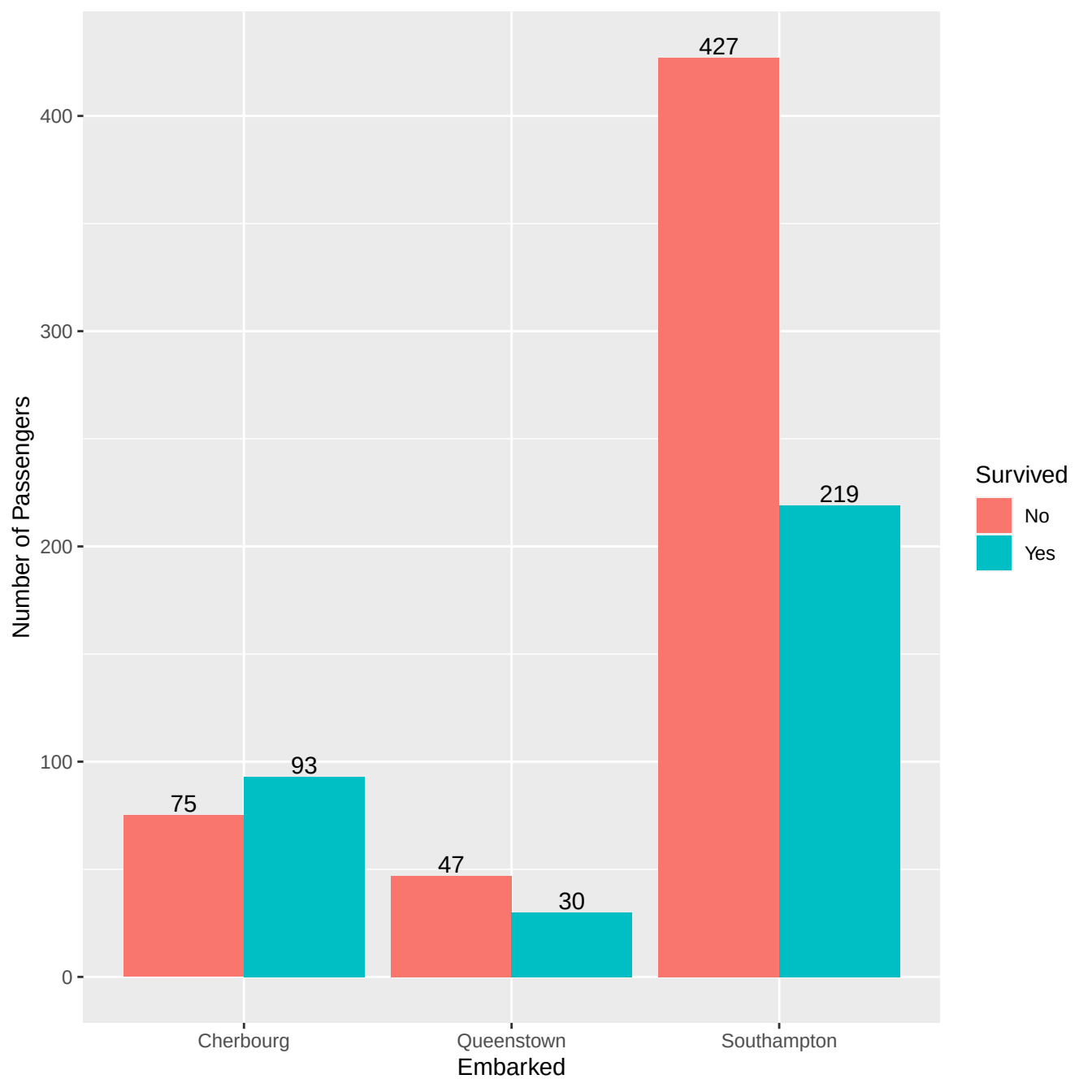

Passenger Age Distribution
Frequency
0.00
0.02
0.04
0.06
0
20
40
60
80
Age

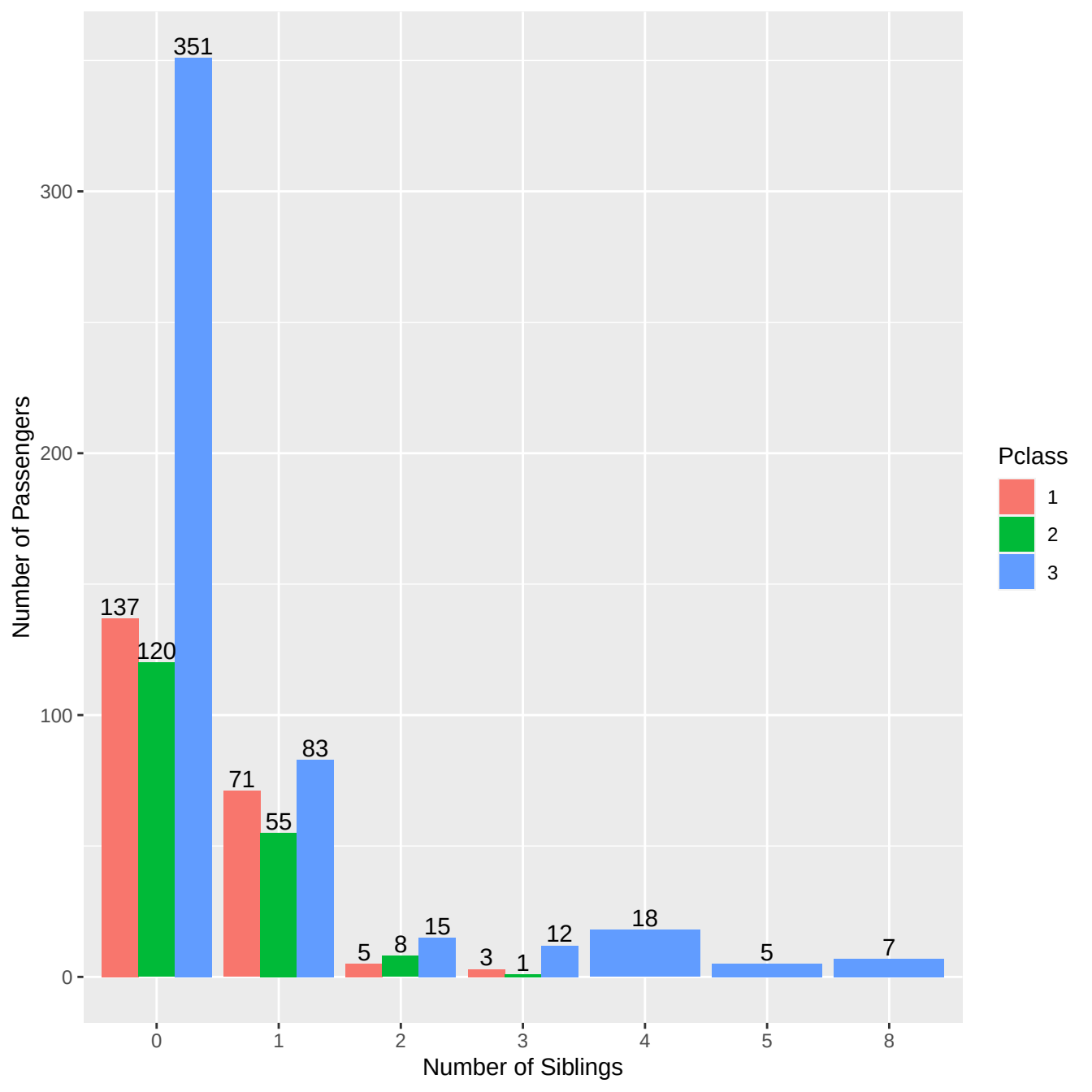

468
233
81
109
400
300
200
100
0
Number of Passengers
female
male
Sex
Survived
No
Yes

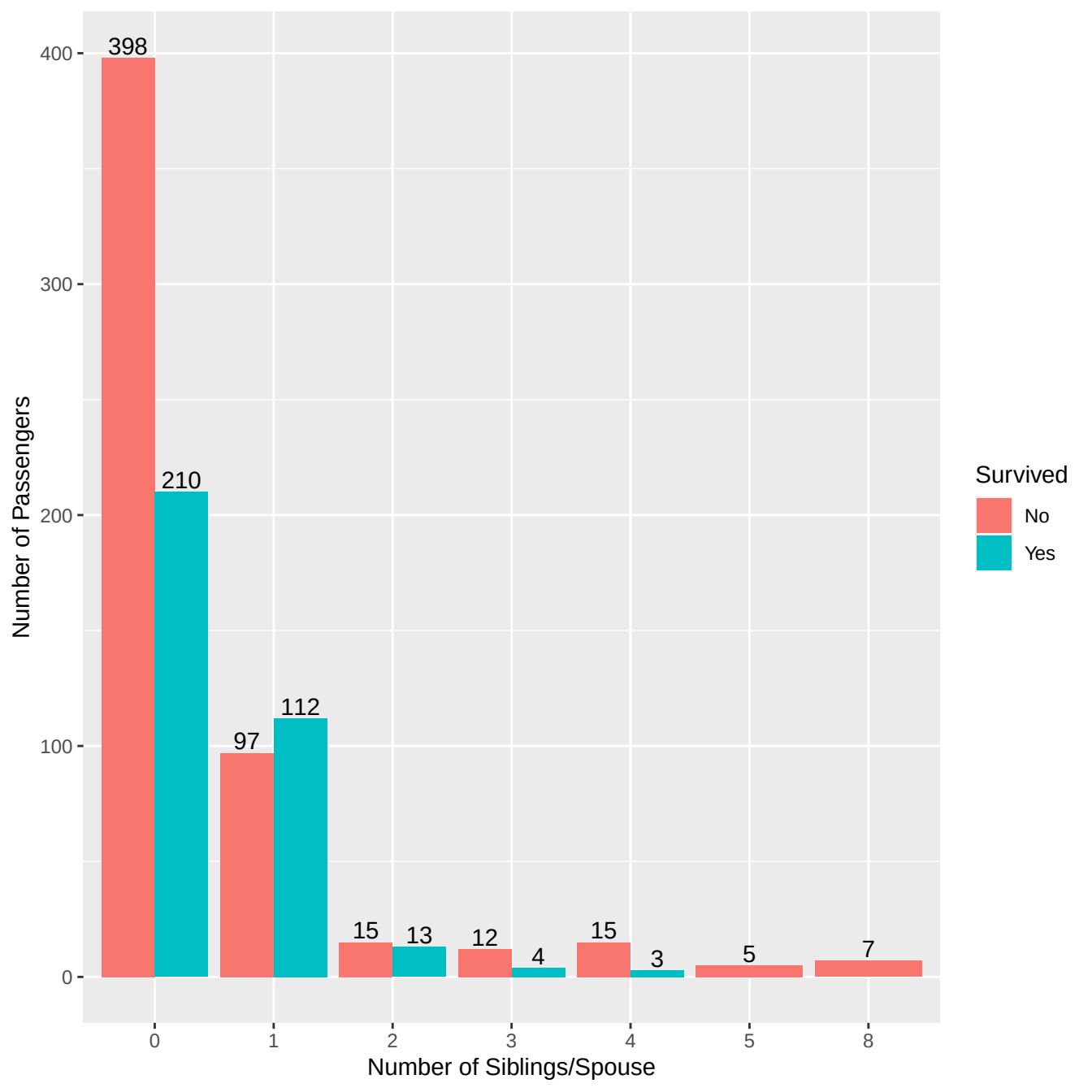

150
100
50
0
Frequency
0
20
40
60
80
Age
Survived
No
Yes

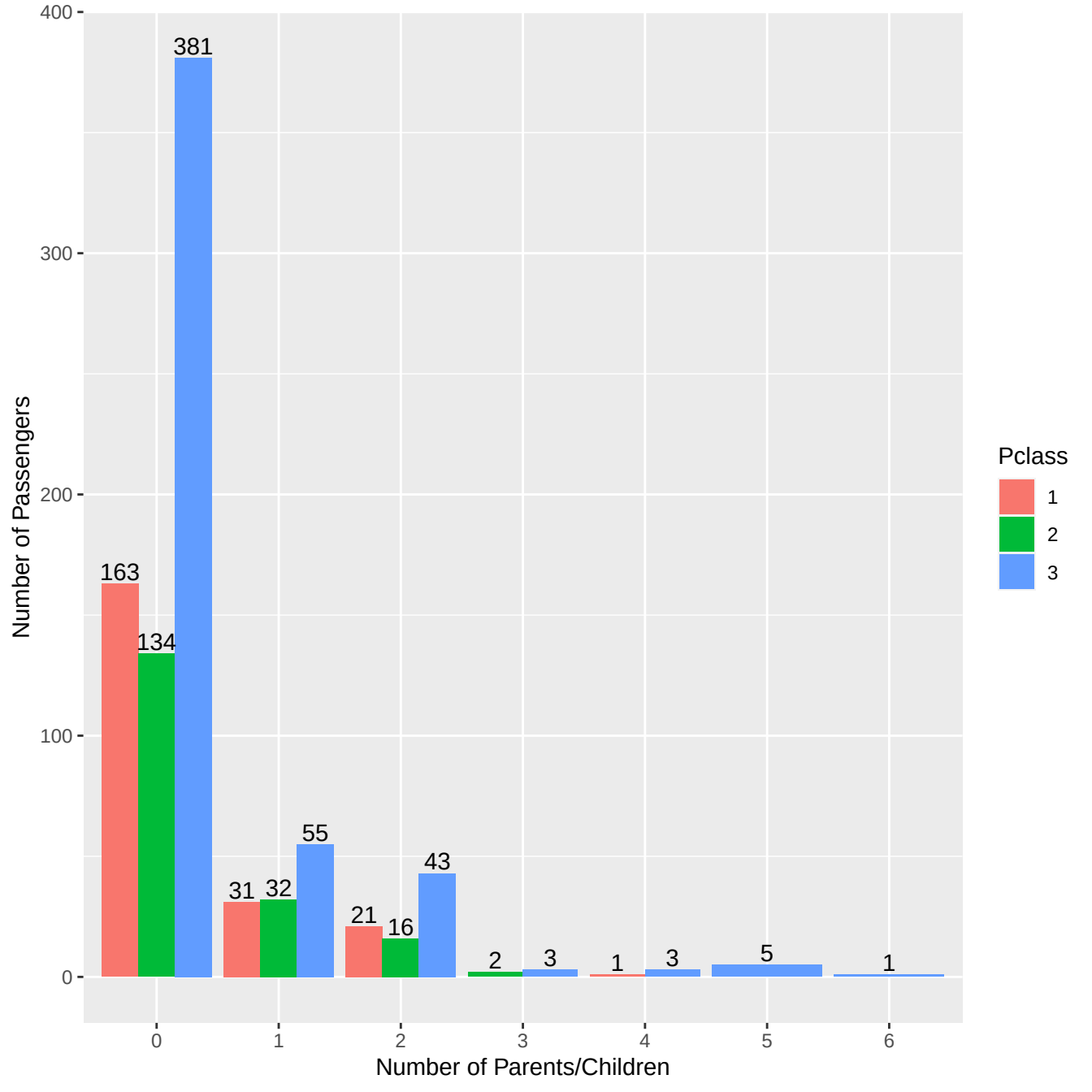

300
200
100
0
count
0
200
400
Fare
Survived
No
Yes

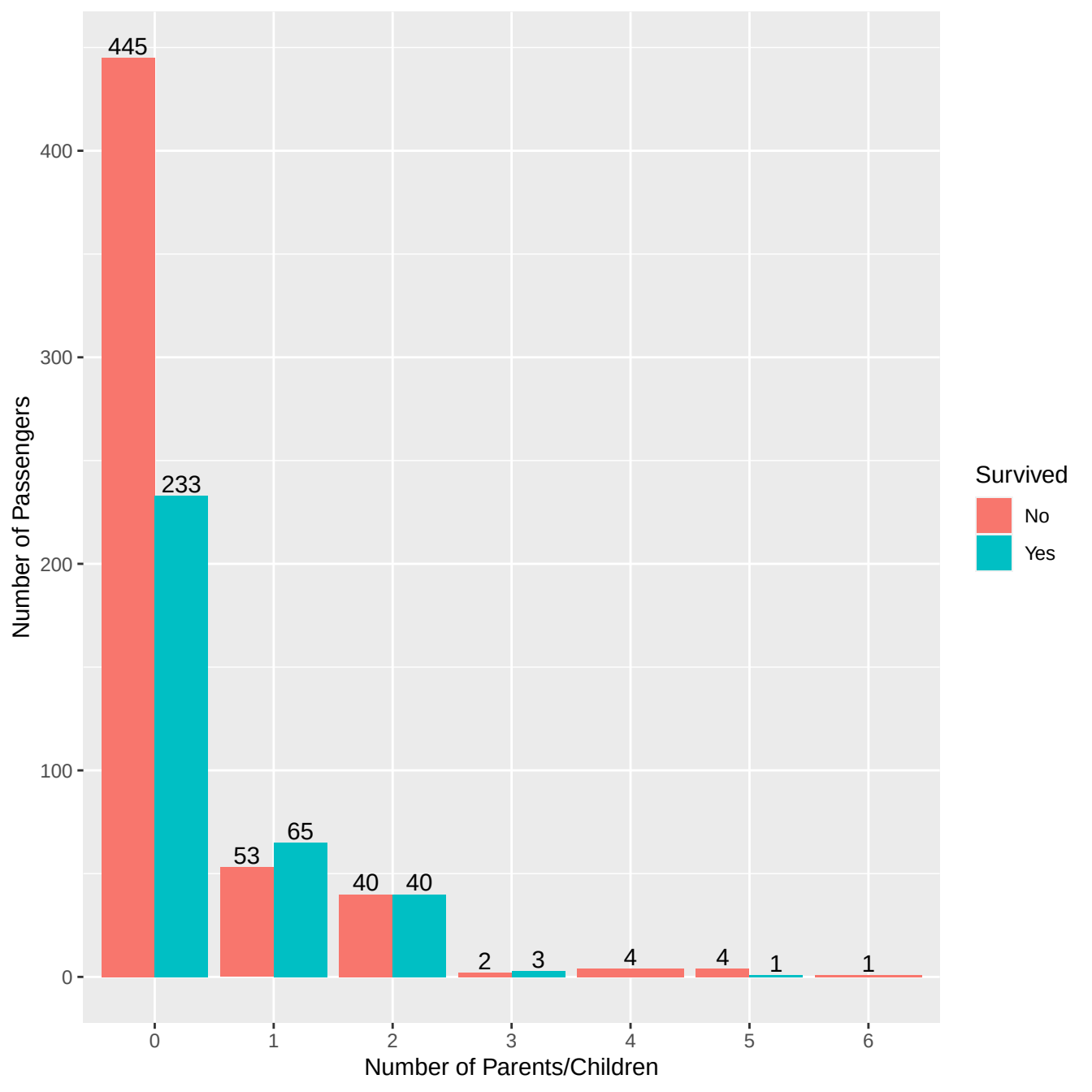

372
136
119
97
87
80
300
200
100
0
Number of Passengers
1
2
3
Passenger Class
Survived
No
Yes

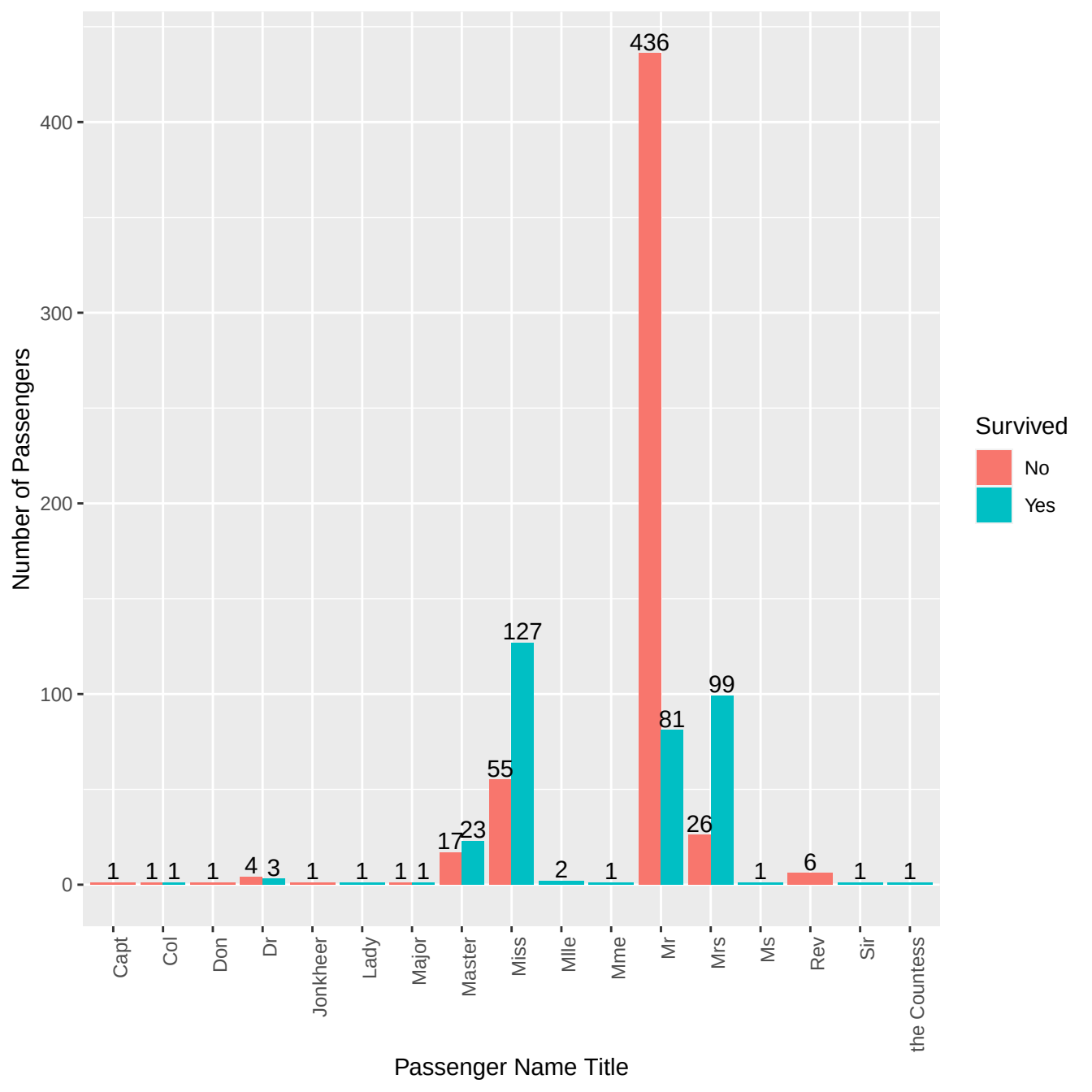

427
219
93
75
47
30
400
300
200
100
0
Number of Passengers
Cherbourg
Queenstown
Southampton
Embarked
Survived
No
Yes

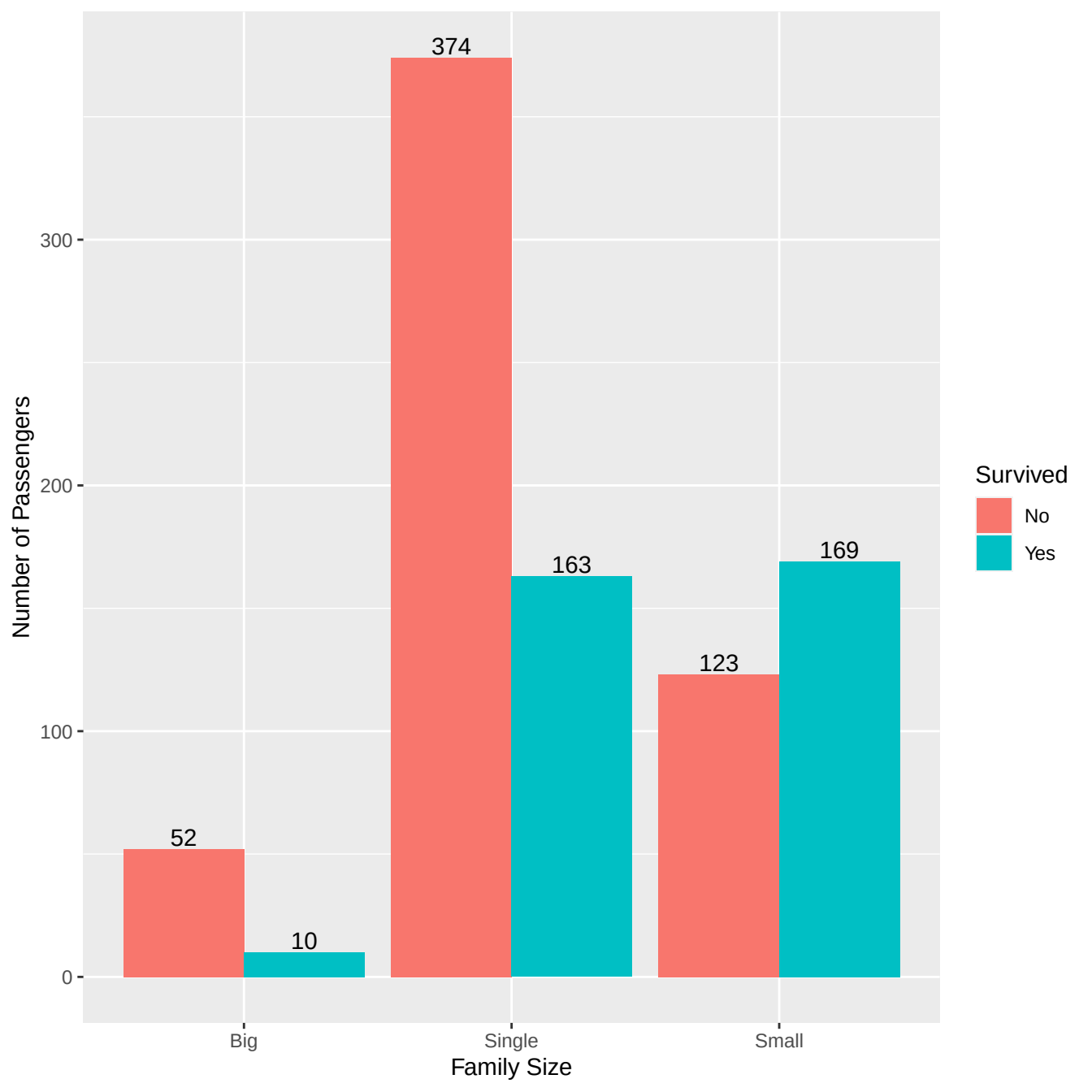

Number of Passengers
300
200
100
0
137
120
351
71
55
83
5
8
15
3
1
12
18
5
7
0
1
2
3
4
5
8
Number of Siblings
Pclass
1
2
3


398
210
97
112
15
13
12
4
15
3
5
7
400
300
200
100
0
Number of Passengers
0
1
2
3
4
5
8
Number of Siblings/Spouse
Survived
No
Yes


400
300
200
100
0
Number of Passengers
381
163
134
55
31
32
43
21
16
2
3
1
3
5
1
0
1
2
3
4
5
6
Number of Parents/Children
Pclass
1
2
3


445
233
53
65
40
40
2
3
4
4
1
1
400
300
200
100
0
Number of Passengers
0
1
2
3
4
5
6
Number of Parents/Children
Survived
No
Yes


Number of Passengers
400
300
200
100
0
436
127
99
81
55
26
23
17
6
4
3
2
1
1
1
1
1
1
1
1
1
1
1
1
1
Capt
Col
Don
Dr
Jonkheer
Lady
Major
Master
Miss
Mlle
Mme
Mr
Mrs
Ms
Rev
Sir
the Countess
Passenger Name Title
Survived
No
Yes


374
163
123
169
52
10
300
200
100
0
Number of Passengers
Big
Single
Small
Family Size
Survived
No
Yes