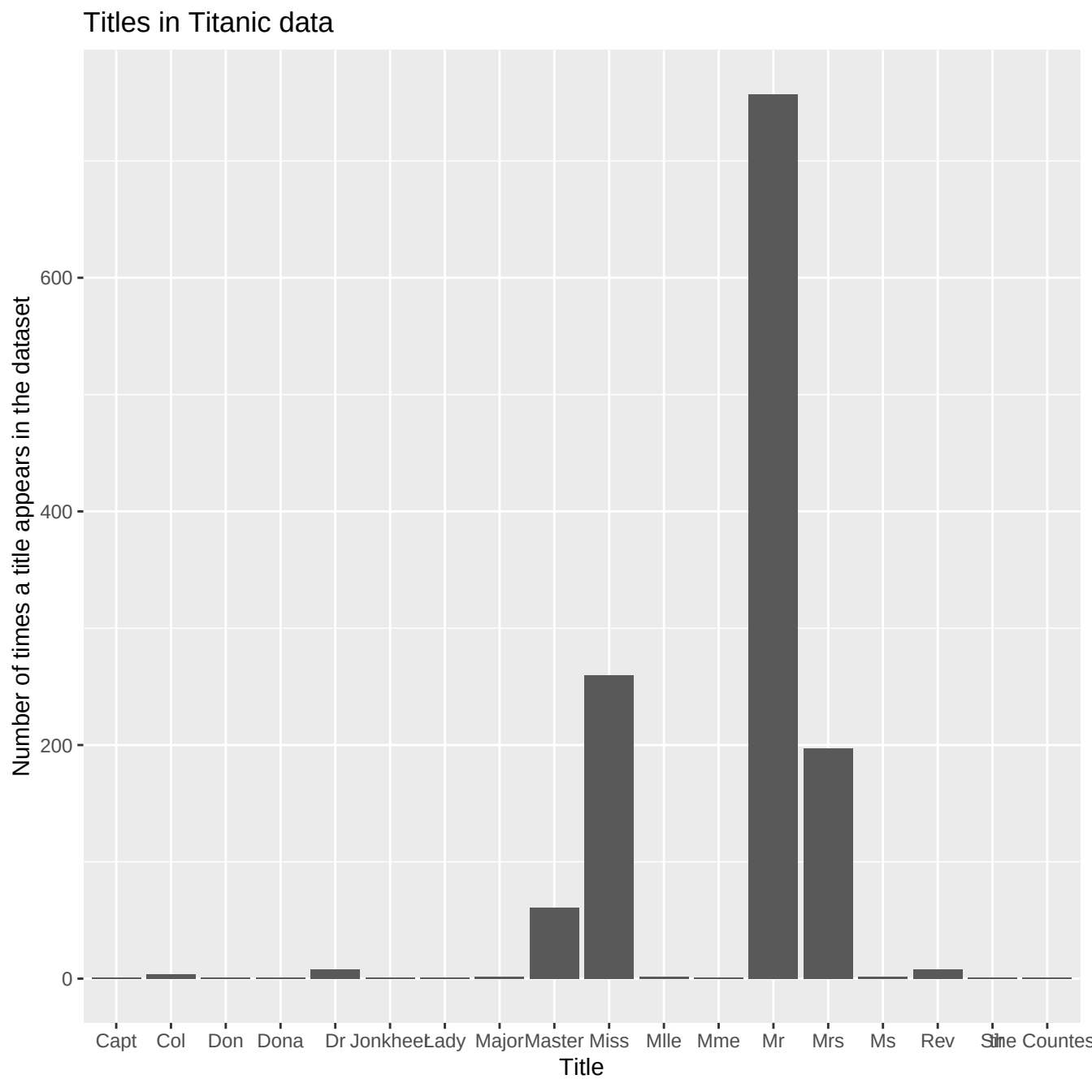
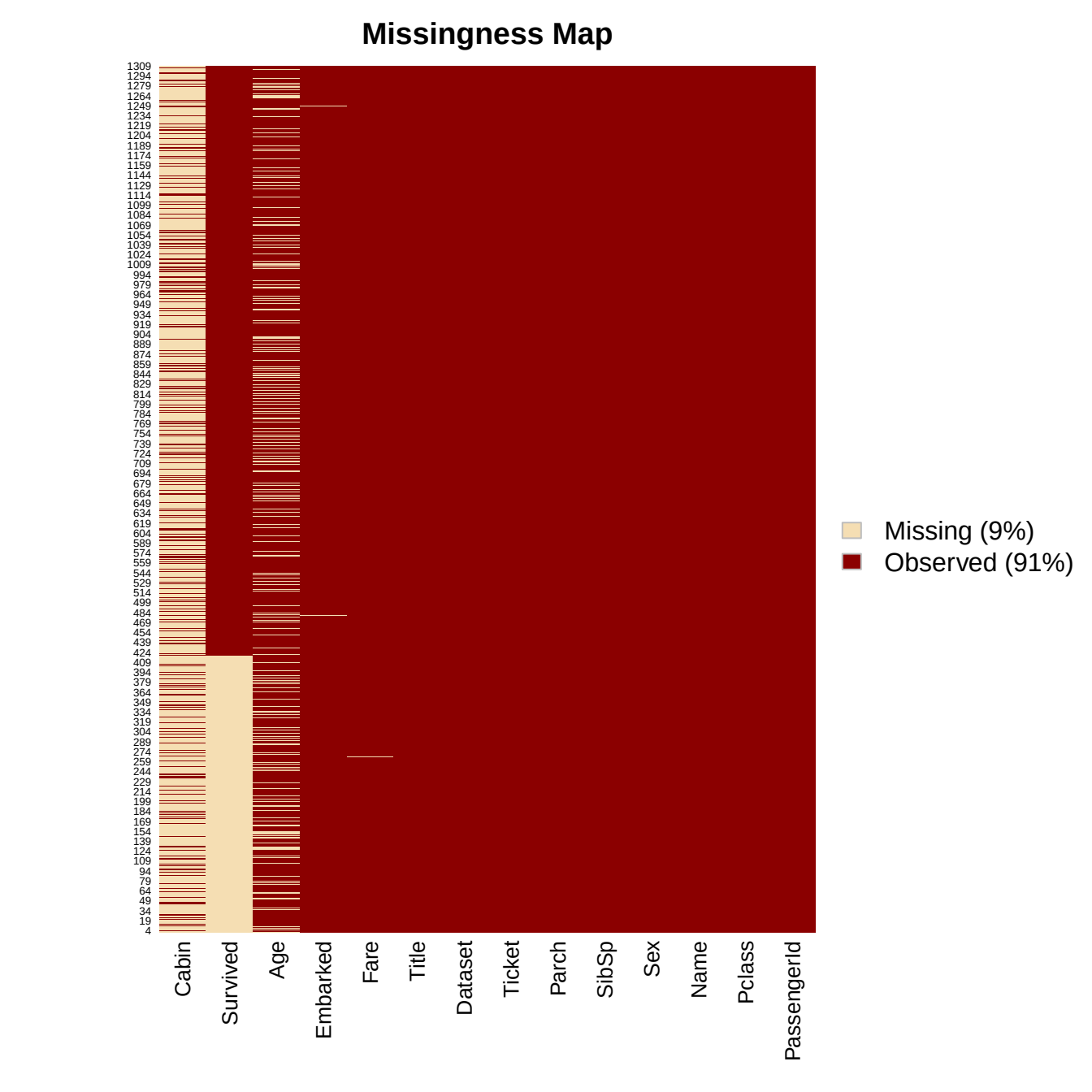
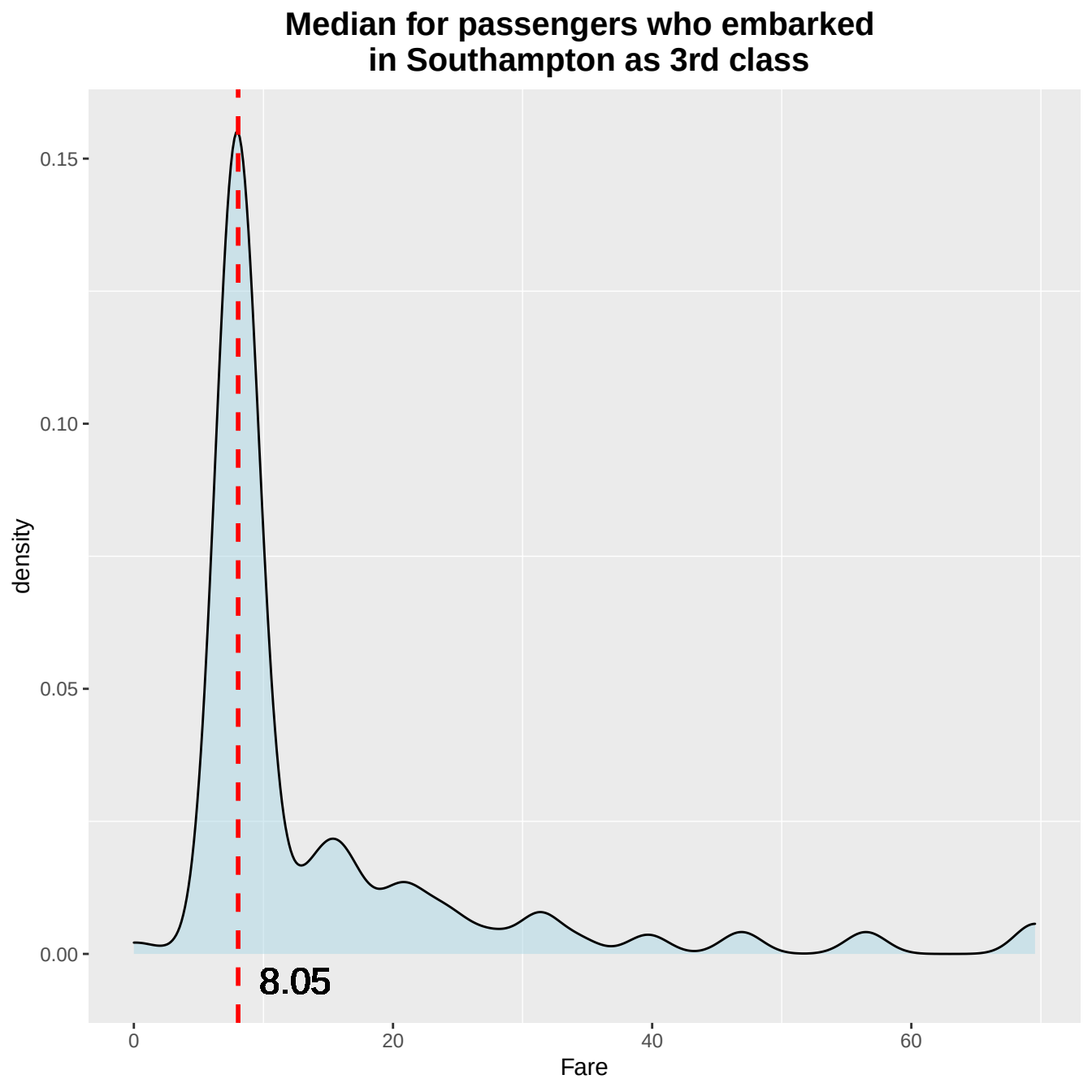
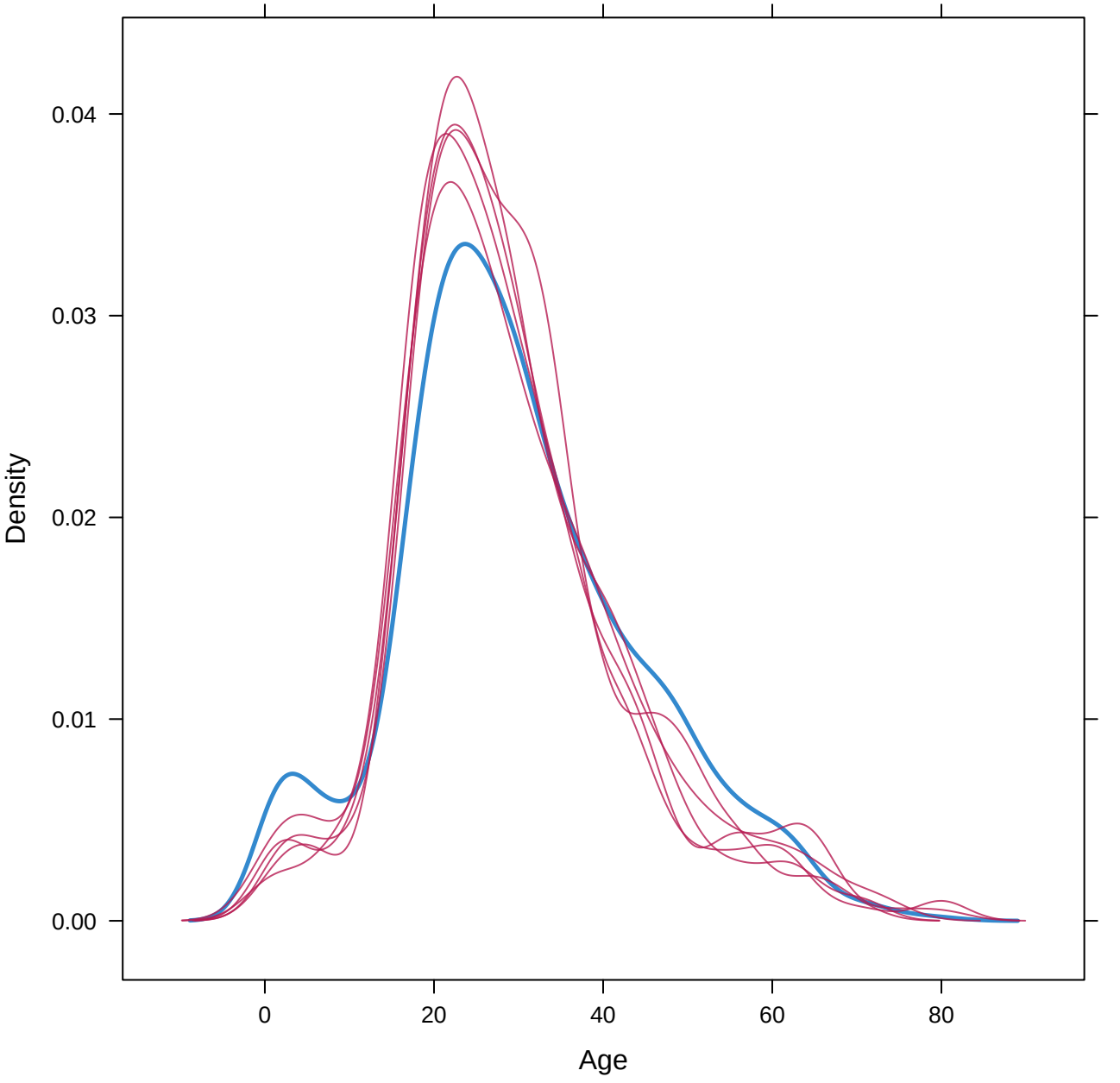
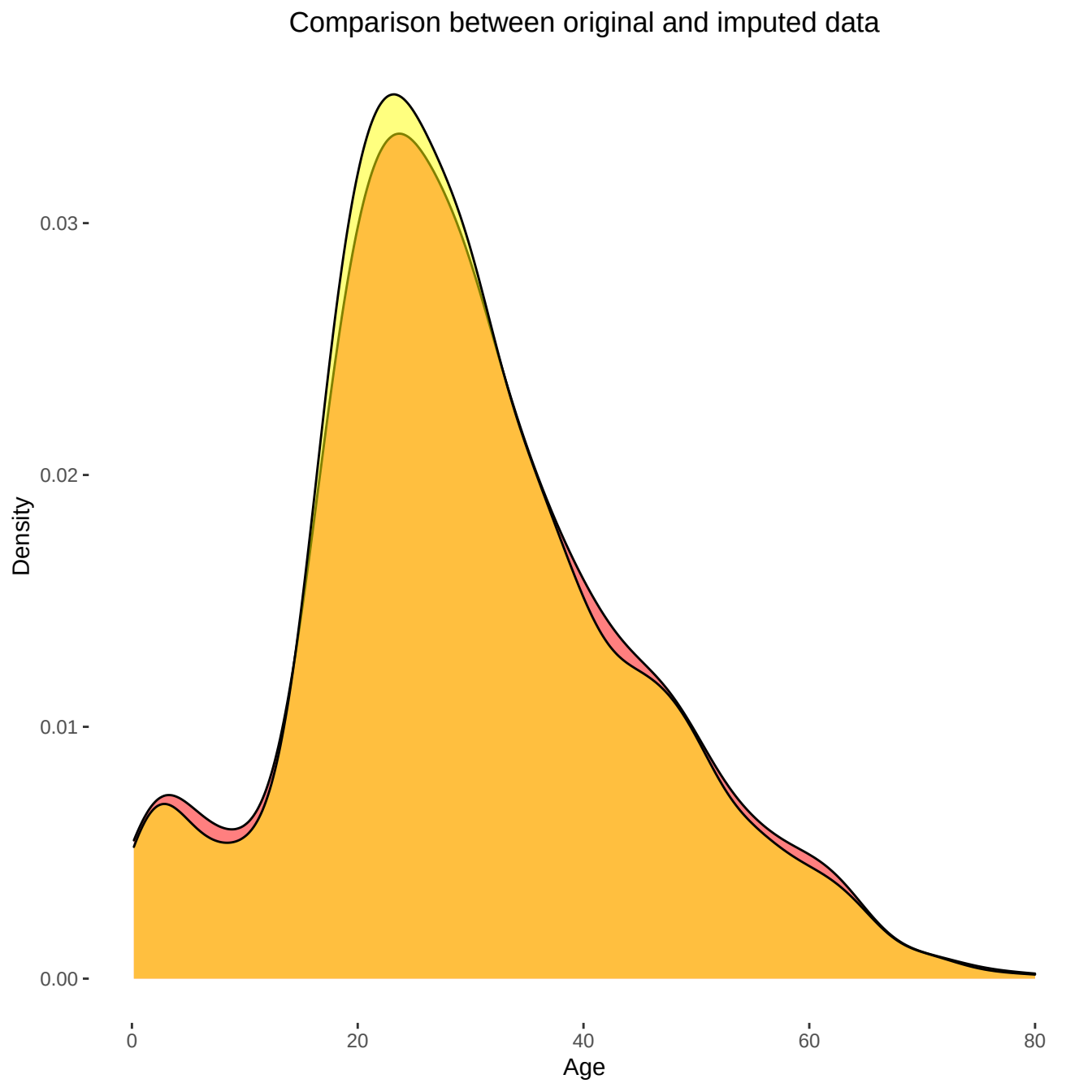
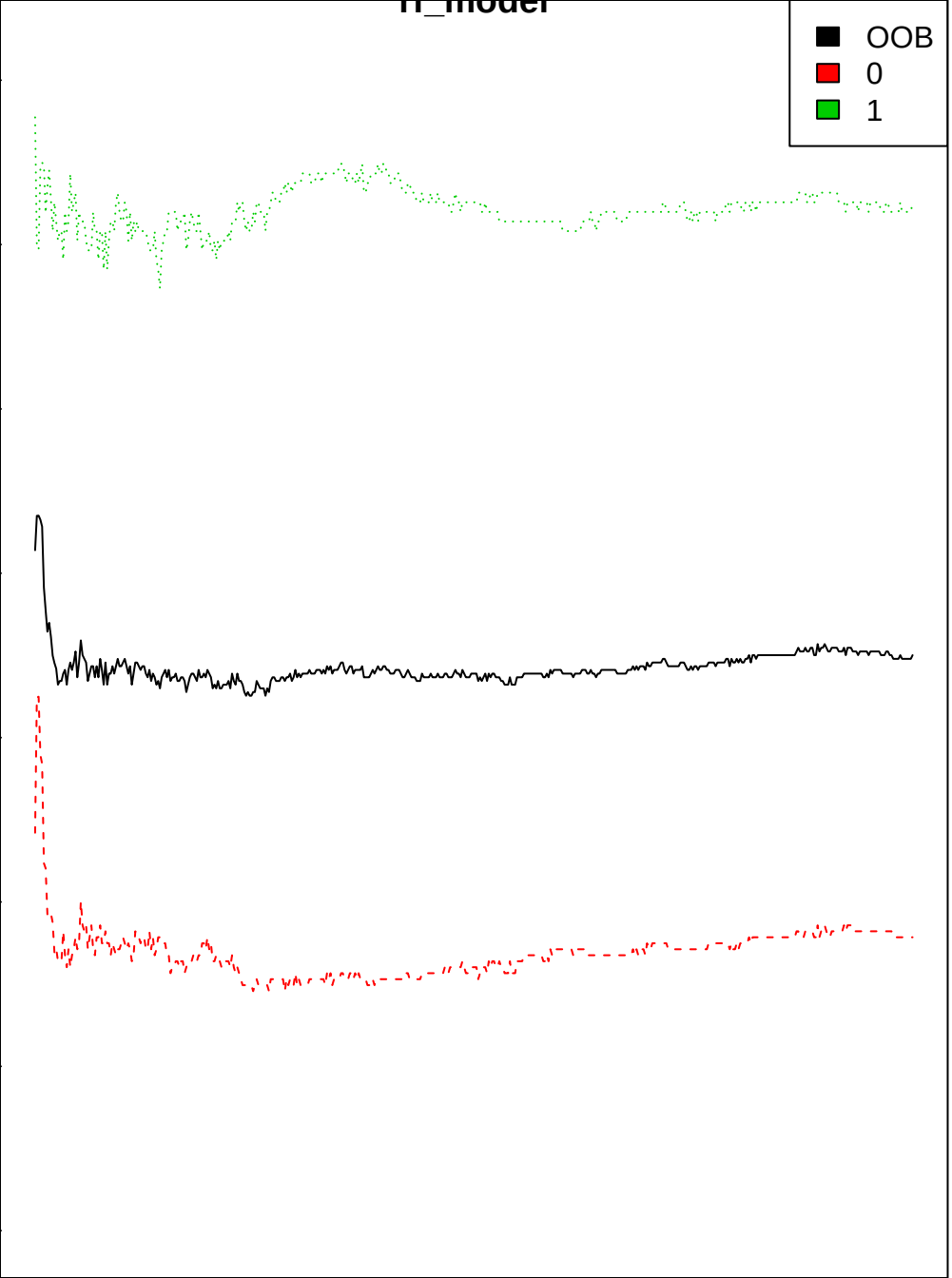

Titles in Titanic data
Number of times a title appears in the dataset
600
400
200
0
Capt
Col
Don
Dona
Dr
Jonkheer
Lady
Major
Master
Miss
Mlle
Mme
Mr
Mrs
Ms
Rev
Sir
the Countes
Title

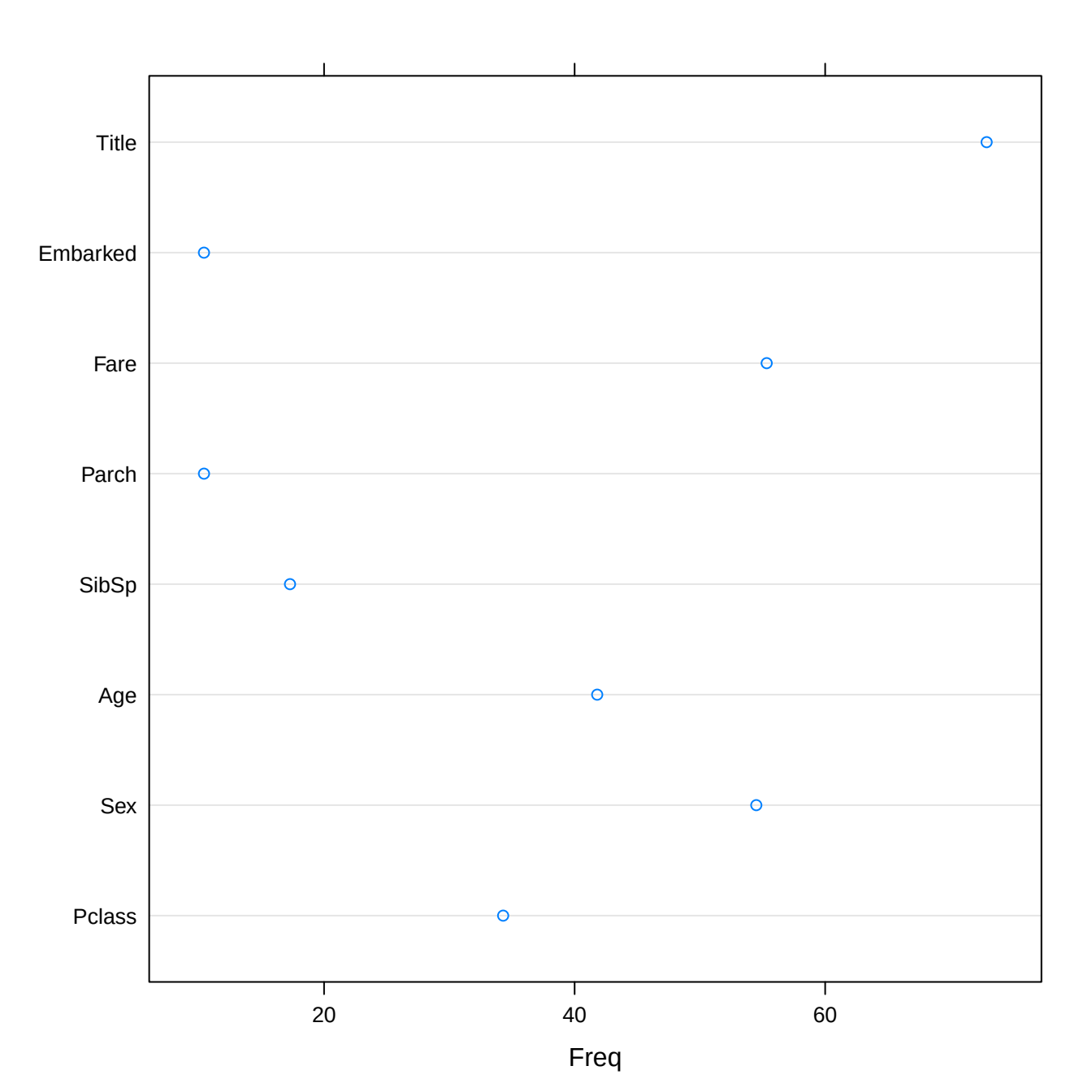

Missingness Map
1309
1294
1279
1264
1249
1234
1219
1204
1189
1174
1159
1144
1129
1114
1099
1084
1069
1054
1039
1024
1009
994
979
964
949
934
919
904
889
874
859
844
829
814
799
784
769
754
739
724
709
694
679
664
649
634
619
604
589
574
559
544
529
514
499
484
469
454
439
424
409
394
379
364
349
334
319
304
289
274
259
244
229
214
199
184
169
154
139
124
109
94
79
64
49
34
19
4
Cabin
Survived
Age
Embarked
Fare
Title
Dataset
Ticket
Parch
SibSp
Sex
Name
Pclass
PassengerId
Missing (9%)
Observed (91%)


Median for passengers who embarked
in Southampton as 3rd class
0.15
0.10
0.05
0.00
density
8.05
0
20
40
60
Fare


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


Comparison between original and imputed data
Density
0.03
0.02
0.01
0.00
0
20
40
60
80
Age


rf_model
OOB
0
1


Title
Embarked
Fare
Parch
SibSp
Age
Sex
Pclass
20
40
60
Freq