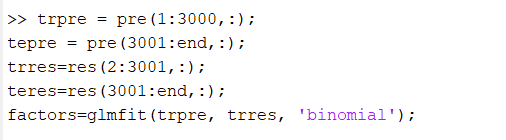
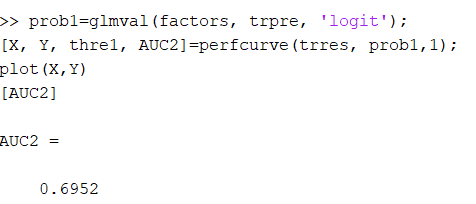
Q1:



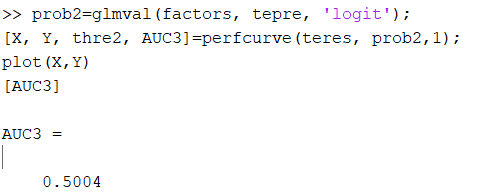
For training data:





AUC = 0.6952

For testing data:



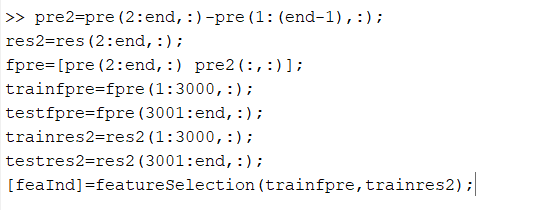


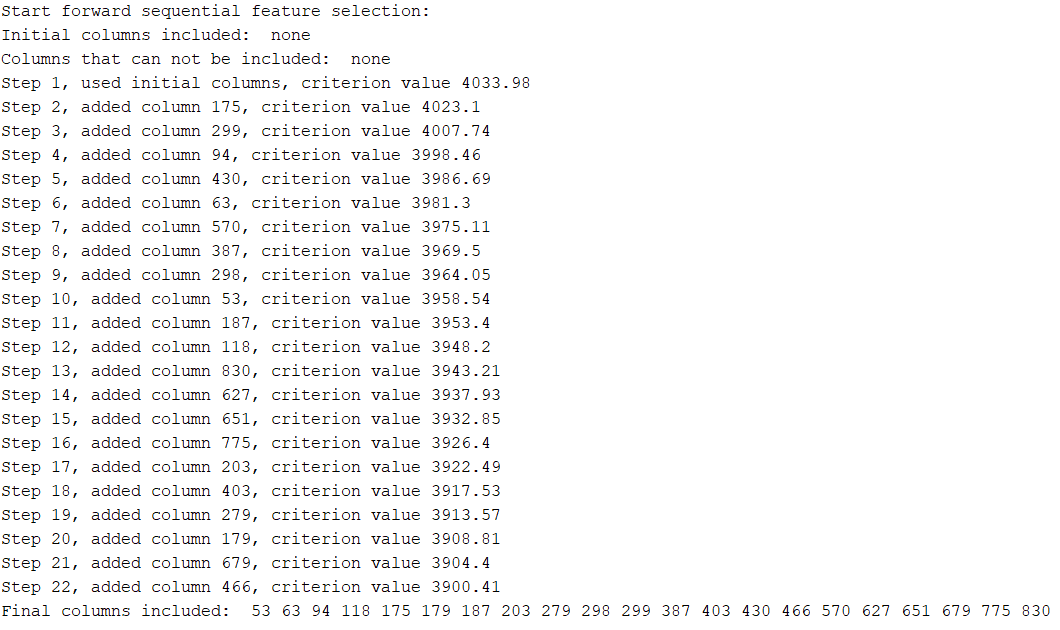
AUC = 0.5004

Q2:

After applied x(isinf(x)) = 0, the data and AUCdidn’t change. Hence, there is no infinity number in the data.

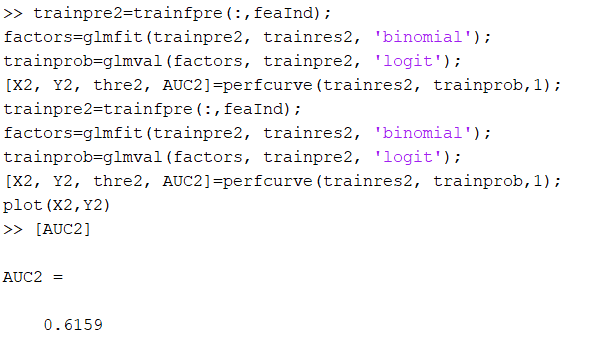
Q3:





Applying all the features chosen:

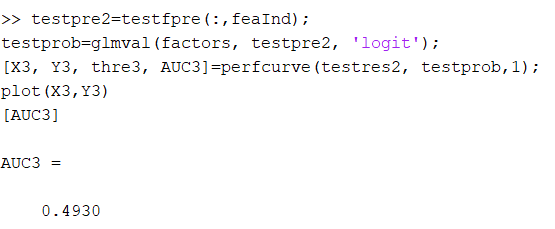
Training data:





AUC = 0.6159

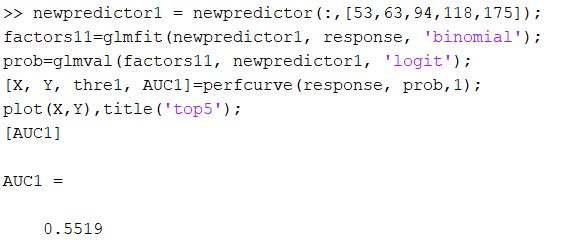
Testing data:





AUC = 0.493

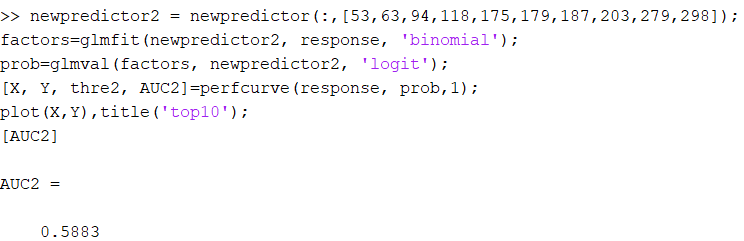
Using top 5:





AUC = 0.5519

Using top 10:





AUC = 0.5883