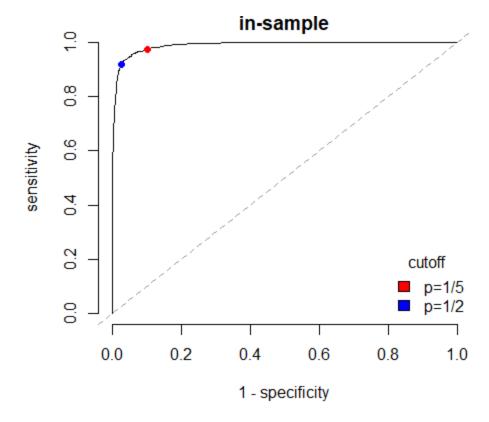
## Christina Wang Econ 108 November 18, 2022 1) a) Done b) Done c) nearest5 = 0.9034783 nearest10 = 0.8826087 nearest30 = 0.8721739 nearest50 = 0.8695652 nearest100 = 0.8504348 d) K = 5 is most accurate.

2)

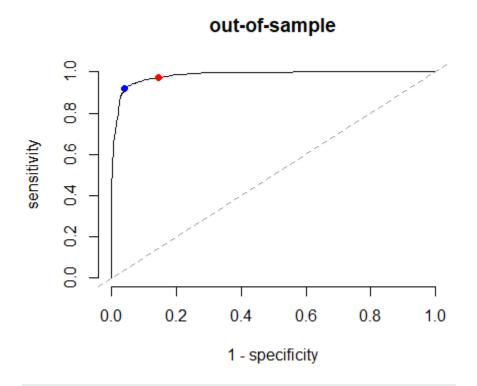
a)

In Sample

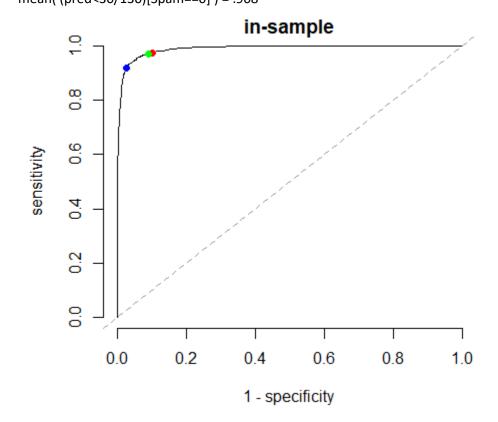
Problem Set 7



oos



c) mean( (pred>30/130)[Spam==1] ) = .967 mean( (pred<30/130)[Spam==0] ) = .908



d)
mean( (pred>100/130)[Spam==1] )# sensitivity = .825
mean( (pred<100/130)[Spam==0] )# specificity = .987

