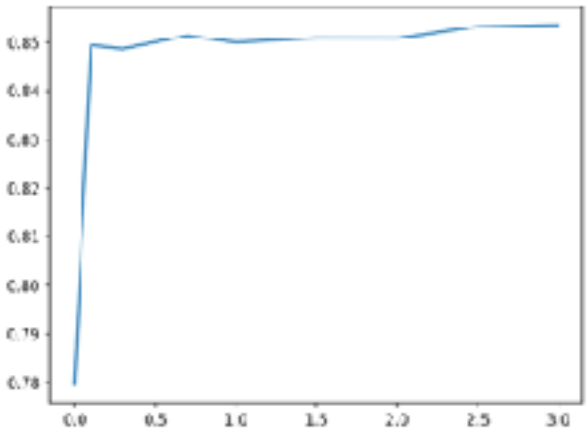
SI 630 Hw1: Classification
Jun Ha Park
junep@umich.edu

Task 1:

• What happens as you change the value of smoothing alpha? Include a plot of your classifier's performance on the development data where (i) your model's performance is on the y-axis and (ii) the choice in smoothing alpha is on the x-axis. Note that most people use α = 1; does this value give good performance for you?



We can see that when smoothing alpha is added, my classifier's performance shoots up from 0.78 to 0.85.
However, it seems like the performance stays within a certain range when 0<alpha<1.0.

For my model, alpha of 3.0 had the highest performance although α = 1 is the most conventional value people use.

For task 2, I couldn't debug my code, and thus didn't have enough time to experiment with it :(