CS446 - HW3 Rubrics

Note: If you have any questions regarding your grade, please contact Rongda Zhu rzhu4@illinois.edu

Problem 1 – 20pts

Parameters – 4pts

Some variations in your result will not affect your score.

Graphs – 8pts each.

I will inspect each curve and give the score. If something looks really unusual, I will check and run your code.

Problem 2 – 35pts

You have the table and the plot – 8pts.

Parameters – 10pts

Some variations in your result will not affect your score.

Learning Curve – 10pts

I will inspect each curve. For

Discussion – 7pts

Report the general trend of n in the plot; Report the best algorithm; Compare the performance of different algorithms, and state the reason why. Note that we don't fix any standard of comments here, thus any reasonable and relevant discussion will be OK.

Problem 3 – 45pts

You have the table and upload the code – 15pts.

Parameters – 15pts

Some variations in your result will not affect your score. However, if your result really looks weird, e.g. the accuracy values are consistently lower than 60%, generally go up with m, or are exactly the same between algorithms, I will check and run your code. Some points will be deducted if I find it wrong. If your code is not runnable, you will not get this part of points.

Comments – 15pts

Report the best algorithm, and compare it with the best one in Problem 2. State the reason why. Compare the parameters and accuracy values in each set. State the influence of adding noise. Again the standard is not fixed here, but you must really make some observations based on your results, and share some thoughts and ideas.

Bonus – 10pts

Run basic perceptron and report the results – 3pts

Clearly define your modified method – 3pts

Show the results of your algorithm – 1pts

Show improvement of your results – 3pts