

Assignment 1

(Deadline is 19 February E.O.D Pacific time). Each delayed day will accrue a 10% penalty

1. The K nearest neighbor algorithm has hyper-parameters in addition to K. Use the titanic dataset to simultaneously tune the values of more than one hyper-parameter. E.g. Value of K, weight, and metric. You can either do nested for loops for this, or use the grid search OR random search function from scikit-learn. Recommendation is you submit code inside of a Jupyter notebook.
2. What do you think some of the disadvantages of kNN algorithm are?