CIS600 Fundamentals of Data and Knowledge Mining

Week 6 KNN and Ensemble Learning

Discussion Questions

1. How does K Nearest Neighbor algorithm work? List of hyper-parameters.
2. Variance-bias tradeoff
3. Properties of a distance-based learning algorithm
4. How predictions based on multiple classifiers improve the model performance
5. Different ways to generate multiple classifiers from training dataset: bagging and boosting
6. Random forest and GBM
7. Python demo of KNN and ensemble learning