

CIS600 Fundamentals of Data and Knowledge Mining

Week 5 naïve Bayes Classifier

Discussion Questions

1. What is Bayes theorem?
2. How does naïve Bayes Classification algorithm work? Why do we need conditionally independent assumption?
3. How does NBC deal with zero probability?
4. How does NBC deal with numerical attributes?
5. Properties (data preprocessing and hyper-parameters) of NBC algorithm
6. Maximum Likelihood Estimator (MLE) vs. Maximum A Posterior (MAP); frequentist vs. Bayesian statistics
7. Python demo of NBC