



IIT ROORKEE



NPTEL ONLINE
CERTIFICATION COURSE

NAÏVE BAYES PART-5

LECTURE 35

DR. GAURAV DIXIT

DEPARTMENT OF MANAGEMENT STUDIES



NAÏVE BAYES

- Further Comments on Naïve Bayes
 - Good performance despite assumption of independent predictors' values being far from true
 - Requires large no. of records
 - Few classes of predictors might not be represented in the training partition records
 - Zero probability is assumed
 - Good for classification but not for estimating probabilities of class membership



Key References

- Data Science and Big Data Analytics: Discovering, Analyzing, Visualizing and Presenting Data by EMC Education Services (2015)
- Data Mining for Business Intelligence: Concepts, Techniques, and Applications in Microsoft Office Excel with XLMiner by Shmueli, G., Patel, N. R., & Bruce, P. C. (2010)

Thanks...

