

Data Science Course: Machine Learning

Mini-Project : Naive Bayes

Learning Objective

- Learn the basic machine learning algorithms such as Supervised Learning Bayesian methods.
- Practice applying machine learning algorithms to real data.

Criteria	Meets Expectations
Completion	<ul style="list-style-type: none">• The code runs successfully.
Process and understanding	<ul style="list-style-type: none">• The submission shows the correct solutions to all of the questions have been applied, as well as the correct visualizations.• The submission shows a good understanding of both the problem statement, as well as the underlying tools and methods and that the answers to all the questions are detailed.• The student has applied best ML modeling practices.
Presentation	<ul style="list-style-type: none">• The project is delivered in a Jupyter notebook, uploaded to GitHub.• The project doesn't contain any unnecessary printouts.

Excellence: Publication quality visualizations are created. Certain methods are written from scratch (for example, for Cross Validation), the optional exercises are solved. Student implements Naive Bayes algorithm from scratch