

## 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"><li>• The code runs successfully.</li></ul>
Process and understanding	<ul style="list-style-type: none"><li>• The submission shows the correct solutions to all of the questions have been applied, as well as the correct visualizations.</li><li>• 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.</li><li>• The student has applied best ML modeling practices.</li></ul>
Presentation	<ul style="list-style-type: none"><li>• The project is delivered in a Jupyter notebook, uploaded to GitHub.</li><li>• The project doesn't contain any unnecessary printouts.</li></ul>

*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*