**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.

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| **Criteria** | **Meets Expectations** |
| Completion | * The code runs successfully. |
| Process and understanding | * 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 | * 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*