

Lab Assignment 6

Machine Learning (UML501)

Q 1	<p>Download the dataset from the following link. It has 5572 messages labeled as spam or ham:</p> <p>https://raw.githubusercontent.com/justmarkham/pycon-2016-tutorial/master/data/sms.tsv</p> <p>Implement Multinomial Naïve Bayes classifier (in-built) for detection of messages as spam or ham?</p>
Q 2	<p>(Gaussian Naïve Bayes Classifier) Implement Gaussian Naïve Bayes Classifier on the Iris dataset from sklearn.datasets using</p> <ul style="list-style-type: none">(i) Step-by-step implementation(ii) In-built function
Q3	<p>Explore about GridSearchCV tool in scikit-learn. This is a tool that is often used for tuning hyperparameters of machine learning models. Use this tool to find the best value of K for K-NN Classifier using any dataset.</p>