

20News\_group data classification using Naive bayes classifier

This project uses Naive bayes classifier to classify News\_group

## **#Requirements**

- \* Python 3.6 or above
- \* Jupyter Notebook
- \* pandas
- \* numpy

## **# How to Run the code in Notebook**

- \* Download the Naivebayesclassifier.ipynb file and 20\_newsgroups data is downloaded from <http://www.cs.cmu.edu/afs/cs/project/theo-11/www/naive-bayes.html>
- \* Open the Jupyter Notebook by typing jupyter notebook in the terminal or command prompt.
- \* Navigate to the file location in the Jupyter Notebook.
- \* Run each cell by clicking the Run button.
- \* The code will preprocess the data, train a Naive bayes classifier model, and evaluate its performance.
- \* The results, including the precision, recall, accuracy, F1 scores will be displayed in the final cell.