

Natural Language Processing

Lab One Instructions

Task:

In this assignment, you are to build a Naïve Bayes Classifier to correctly classify sentiments gathered from a product review site.

Files Given:

You have been given three files containing product reviews from Amazon, Yelp and IMDB all with their correct classifications.

Instructions:

1. In your cloned GitHub repository, create a folder called Lab One or Project One.
2. In Lab One or Project One folder, create a "my_naive_bayes.ipynb" file.
3. Your "my_naive_bayes.ipynb" should take a text file as input (this will be the test file, I will pass to it) and then return a new text file called "results_file.txt".
4. The "results_file.txt" file should contain the results of your classification, each result on a new line. Note that 1 represents positive and 0 negative.
5. Using Jupyter notebook, export a .py version of your work.
6. Push both the .ipynb and .py versions of your work to GitHub, including all necessary files used in building your classifier.