



School of Computer Engineering and Technology

AML Mini Project Synopsis

Project Title: Sentiment analysis on food review

Group Number and Panel no: AML3 , 7

Team Members:

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Abstract: Sentiment analysis of reviews is a popular task in natural language processing. In this work, the goal is to predict the score of food reviews on a scale of 1 to 5.

Description:

We could use the Score/Rating. A rating of 4 or 5 could be considered a positive review. A review of 1 or 2 could be considered negative. A review of 3 is ignored as it can be positive or negative and that can impact our model accuracy. This is an approximate and proxy way of determining the polarity (positivity/negativity) of a review.

When We decided to work on Sentiment Analysis, Amazon fine food review (Kaggle project) was quite interesting , as it gives us a good introduction to Text Analysis. We have downloaded the data set from Kaggle(.csv) file. The (.csv) file contains a collection of text documents(568,454 food reviews) up to and including October 2012.

Hardware Requirements:

- Processor: Intel Core I3 and above
- RAM:4GB and above
- Hard disk: 80GB and above
- Monitor: CRT or LCD monitor
- Keyboard: Normal or Multimedia
- Mouse: Compatible mouse

Software Requirements:

- Anaconda
- Python 3+
- Jupyter Notebook , Google Colab.
- Machine learning algorithms like Logistic regression.