README

**Project name**: Perceptron

**Current Version**: 1.0

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**Description:**

Implemented the perceptron classifier to classify a list of documents as ham / spam. Implemented the perceptron rule algorithm to calculate the weights of each feature and predicted the label for each file.

**Input**: Training Data file, Test File and stop words file.

**Output**: Accuracy of perceptron with and without using the given stop words.

**Files**: Perceptron.py

**Programming Language used**: python

**Instructions to run**: python Perceptron.py <path of training file> <path of test file> <path of stop words file>

Example command: python Perceptron.py C:\Users\chand\Desktop\Machine\_Learning\Assignement3\ cxs152830\_Assignment2\hw2\_train C:\Users\chand\Desktop\Machine\_Learning\Assignement3\ cxs152830\_Assignment2\hw2\_test C:\Users\chand\Desktop\Machine\_Learning\Assignement3\cxs152830\_Assignment2\stopWords.txt