

## Accuracies for Perceptron:

## With Stopping Words:

I had attached the screenshot of my results (accuracies with stopwords) from the terminal with which I had run my code.

```
(base) Snehaas-MBP:Snehaa_Sivakumar_hw-3 snehaadeepak$ make  
python snehaa_sivakumar.py  
0.8830897703549061  
0.9039665970772442  
0.8997912317327766  
0.8997912317327766  
0.9039665970772442  
0.9039665970772442  
0.9102296450939458  
0.9102296450939458  
0.9102296450939458  
0.8956158663883089  
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0.8956158663883089  
  
(base) Snehaas-MBP:Snehaa_Sivakumar_hw-3 snehaadeepak$
```

[illegible]

### Without Stopping Words:

I had attached the screenshot of my results (accuracies without stopwords) from the terminal with which I had run my code.

```
(base) Snehaas-MBP:Snehaa_Sivakumar_hw-3 snehaadeepak$ make  
python snehaa_sivakumar.py  
0.89777035490605428  
0.9123173277661796  
0.8935281837160751  
0.8935281837160751  
0.9123173277661796  
0.9039665970772442  
0.9144050104384134  
0.9144050104384134  
0.9144050104384134  
0.906054279749478  
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0.906054279749478  
(base) Snehaas-MBP:Snehaa_Sivakumar_hw-3 snehaadeepak$
```

[illegible]

**Observation:**

The Accuracy of Naïve Bayes is 89% on Test set whereas the accuracy for perceptron on test set is 90% with stop words and 92% without stop words. Therefore, perceptron seems to be better than Naïve Bayes in terms of performance. The perceptron training rule is effective in achieving the better accuracy.