Perceptron Report:

/Users/tanvi/Documents/MS/ML/SpamOrHam/train/spam

/Users/tanvi/Documents/MS/ML/SpamOrHam/train/ham

/Users/tanvi/Documents/MS/ML/SpamOrHam/test/spam

/Users/tanvi/Documents/MS/ML/SpamOrHam/test/ham

/Users/tanvi/Documents/MS/ML/Homework/HW2/StopWords.txt

No of iterations: 20

Learning rate: 0.1

Spam Accuracy with stop words: 93.89

Ham Accuracy with stop words: 90.25

Spam Accuracy without stop words: 87.78

Ham Accuracy without stop words: 77.65

No of iterations: 100

Learning rate: 0.1

Spam Accuracy with stop words: 93.89

Ham Accuracy with stop words: 90.25

Spam Accuracy without stop words: 87.78

Ham Accuracy without stop words: 77.65

No of iterations: 10

Learning rate: 0.1

Spam Accuracy with stop words: 82.44

Ham Accuracy with stop words: 93.12

Spam Accuracy without stop words: 87.78

Ham Accuracy without stop words: 77.65

No of iterations: 20

Learning rate: 0.5

Spam Accuracy with stop words: 93.12

Ham Accuracy with stop words: 91.97

Spam Accuracy without stop words: 91.60

Ham Accuracy without stop words: 77.65

No of iterations: 100

Learning rate: 0.5

Spam Accuracy with stop words: 93.12

Ham Accuracy with stop words: 91.97

Spam Accuracy without stop words: 91.60

Ham Accuracy without stop words: 77.65

No of iterations: 10

Learning rate: 0.5

Spam Accuracy with stop words: 67.93

Ham Accuracy with stop words: 95.12

Spam Accuracy without stop words: 91.60

Ham Accuracy without stop words: 77.65

No of iterations: 20

Learning rate: 1

Spam Accuracy with stop words: 96.18

Ham Accuracy with stop words: 89.97

Spam Accuracy without stop words: 96.94

Ham Accuracy without stop words: 71.06

No of iterations: 100

Learning rate: 1

Spam Accuracy with stop words: 96.18

Ham Accuracy with stop words: 89.97

Spam Accuracy without stop words: 96.94

Ham Accuracy without stop words: 71.06

No of iterations: 10

Learning rate: 1

Spam Accuracy with stop words: 54.19

Ham Accuracy with stop words: 97.42

Spam Accuracy without stop words: 58.01

Ham Accuracy without stop words: 82.52

No of iterations: 200

Learning rate: 1

Spam Accuracy with stop words: 96.18

Ham Accuracy with stop words: 89.97

Spam Accuracy without stop words: 96.94

Ham Accuracy without stop words: 71.06