

# CIS520 Report: ML Crackers

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## 1 Introduction

## 2 Preliminary Methods

- everything that didn't work - why it didn't work - image - Ziyin - PCA/GMM - Other ensemble methods methods

## 3 Main Methods

### 3.1 Naive Bayes

Accuracy

The second main

### 3.2 GentleBoost

The second main method we utilized was an ensemble method. We used GentleBoost, a weak learning that was built by MATLAB under the fitensemble function. The method combines many weak learners into one high quality ensemble predictor. We chose this ensemble method over the others offered by MATLAB, because it performs well with binary classification with many predictors ([?]).

Input/Output The input was the

Results

Any tweaking?

### 3.3 SVM

Accuracy

Table with all accuracy

## 4 Ensemble Method

Ensemble: Sentiment Analysis 1 + Methods

Ensemble: Sentiment Analysis 2 + Methods dictionary wasn't as good

## **5 Discussion**

## **6 Works Cited**

"Documentation." Ensemble Methods - MATLAB Simulink. N.p., n.d. Web. 11 Dec. 2016.