# Good Word Attacks on Spam Filters

### Implementation

The author implements the paper using 2 different classifiers.

### Phase one: data collection and analyzing the data

### In the Phase 1, the author utilizes the dataset from spamarchive.org from the month of April 2004. But neither the dataset nor the website mentioned in citation of the project seems to be valid anymore. Hence, to make the project doable we have chosen an alternate dataset. We have chosen the dataset which contains spam messages/ SMS’s instead of Spam emails. As part of the preparation of the dataset for the classification, we have arranged the dataset in such a way that the first column of the data contains whether its spam / ham (legitimate). This dataset is in tab separated values, this can be read by read\_csv using the separator “\t”. The dataset consists of 5572 records and this is split into training and testing data (﻿4,179 SMS/text messages as training data and ﻿1,393 SMS/text messages as testing data).

### Phase two: training the model on data sets

In phase two the models are trained on the data set individually.

### Phase three: testing the models