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# Spam\_email\_NaiveBayes

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## Vectorize text

In [8]:

```
from sklearn.feature_extraction.  
er  
vectorizer = CountVectorizer(stop  
X = vectorizer.fit_transform(df[  
Y = df['spam']
```

## Train and Test split

In [9]:

```
from sklearn.model_selection import  
train_X, test_X, train_Y, test_Y  
random_state = 108)
```

## Naive Bayes