**Sentiment analysis using SVM**

Here we used SVM used for sentiment analysis

A [support vector machine (SVM)](https://monkeylearn.com/blog/introduction-to-support-vector-machines-svm/) uses algorithms to train and classify data within degrees of polarity. The SVM then assigns a hyperplane that best separates the tags. In two dimensions this is simply a line in sentiment analysis, this would be positive and negative

Steps to understand the code:

## Data loading and cleaning

## Machine Learning Model

* split the data into training and testing set
* We are going to use cross-validation and grid search to find good hyperparameters for our SVM model. We need to build a pipeline to don't get features from the validation folds when building each training model

**SVM most important parameters :**

1. Kernel: How the data will split

#### C: The value of C determines the penalty for the classifier

1. Gamma: Control the distance of influence of a single training point