\*Real-timeTwitter Sentiment Analysis\*

This project addresses the problem of sentiment analysis in twitter; that is classifying tweets according to the sentiment expressed in them: Positive or Negative. Twitter is a social-networking platform which allows users to write short status updates of maximum length 280 characters. It is a rapidly expanding service with over 300 million registered users out of which 152 million are active users and half of them log on twitter on a daily basis - generating nearly 500 million tweets per day. Due to this large amount of usage we hope to achieve a reflection of public sentiment by analysing the sentiments expressed in the tweets. Analysing the public sentiment is important for many applications such as firms trying to find out the response of their products in the market, predicting political elections and predicting socioeconomic phenomena like stock exchange. The aim of this project is to develop a functional classifier for accurate and automatic sentiment classification of an unknown tweet stream. The process could be done automatically without having humans manually review thousands of tweets and customer reviews.