

Sentiment Analysis using Social Media To Predict the EU Referendum

Josh Hart

MSc Software Engineering

UNIVERSITY of STIRLING



Summary

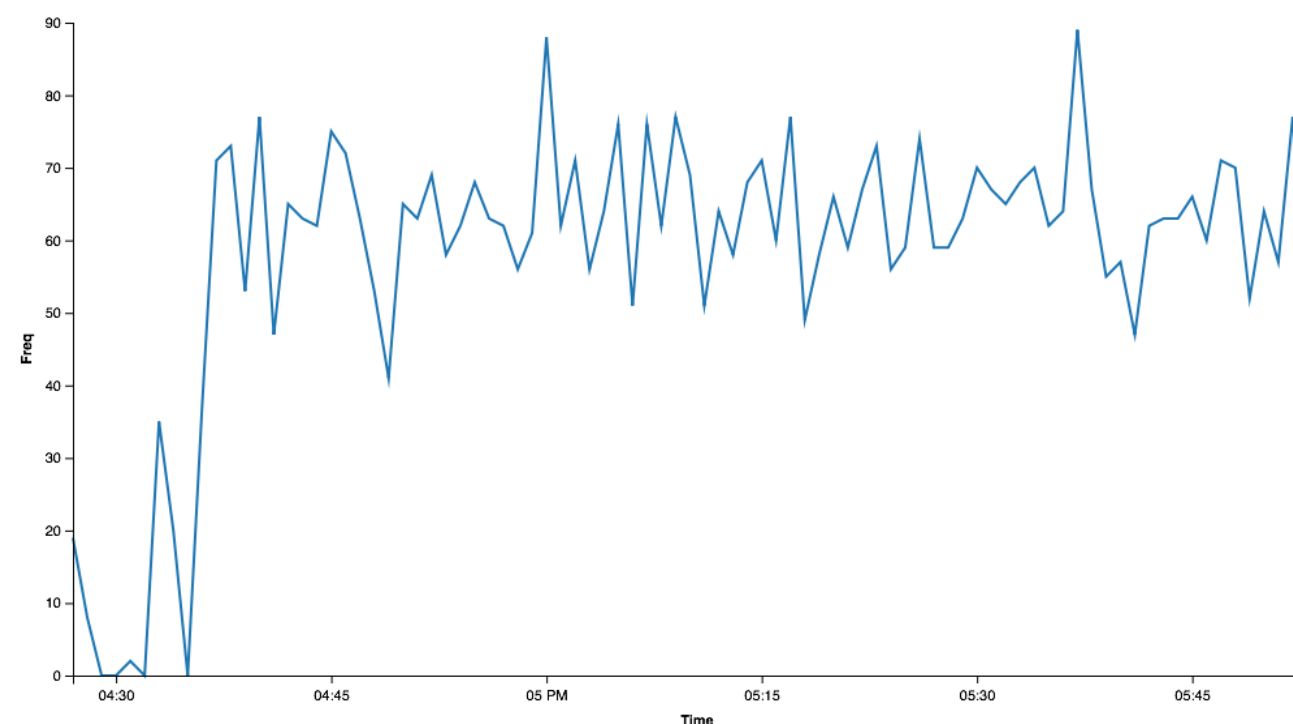
The Aim is to understand how useful mining social sites such as twitter for sentiment analysis can be, in this project for predicting the EU referendum results, looking for correlations between media results, potential bias, breaking news and how this may or may not be perceived by the public.

Beyond potentially predicting the referendum we hope to look at how useful these techniques could be for small businesses, councils etc. in discovering and automating public perceptions to changes and ideas.

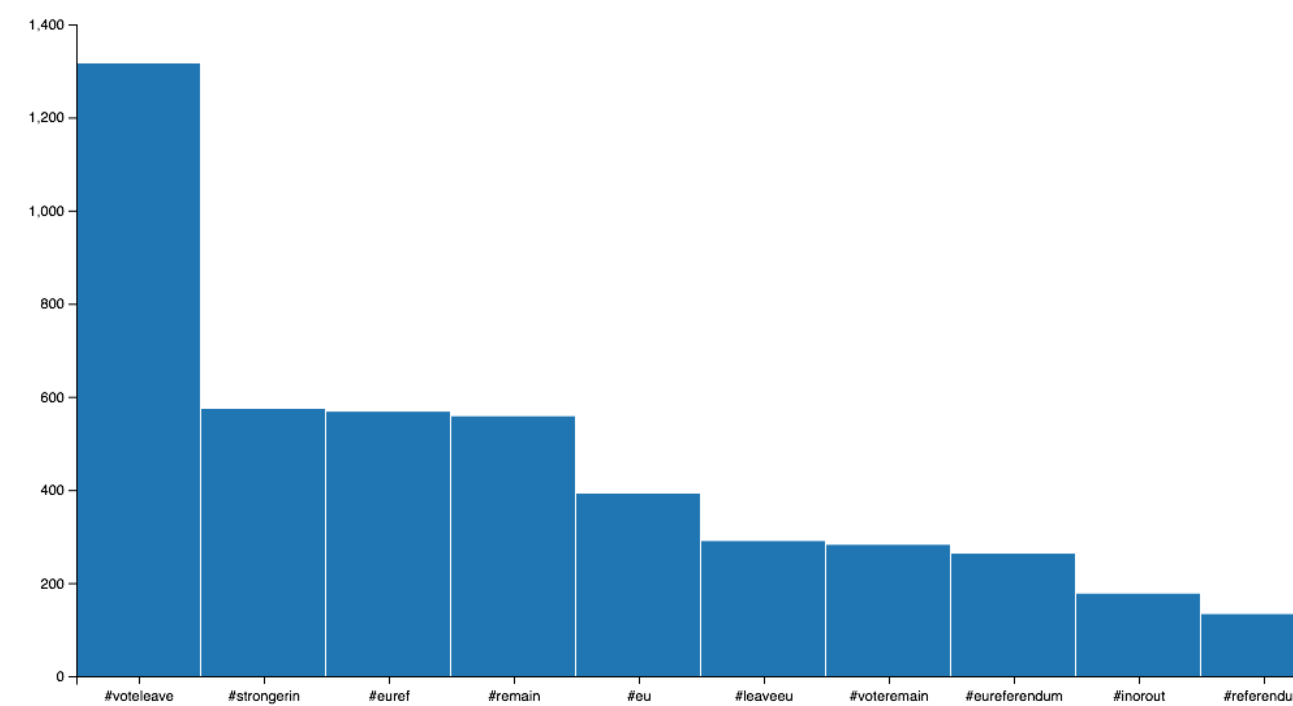
Approach

The code will be developed primarily using Python 3.5 with visualizations created using HTML and JS. We will look at various types of sentiment analysis, the pros and cons of each and then apply several of those methods to the results. These will include simple word counting, frequency analysis and a positive/negative training set of words to identify sentiment.

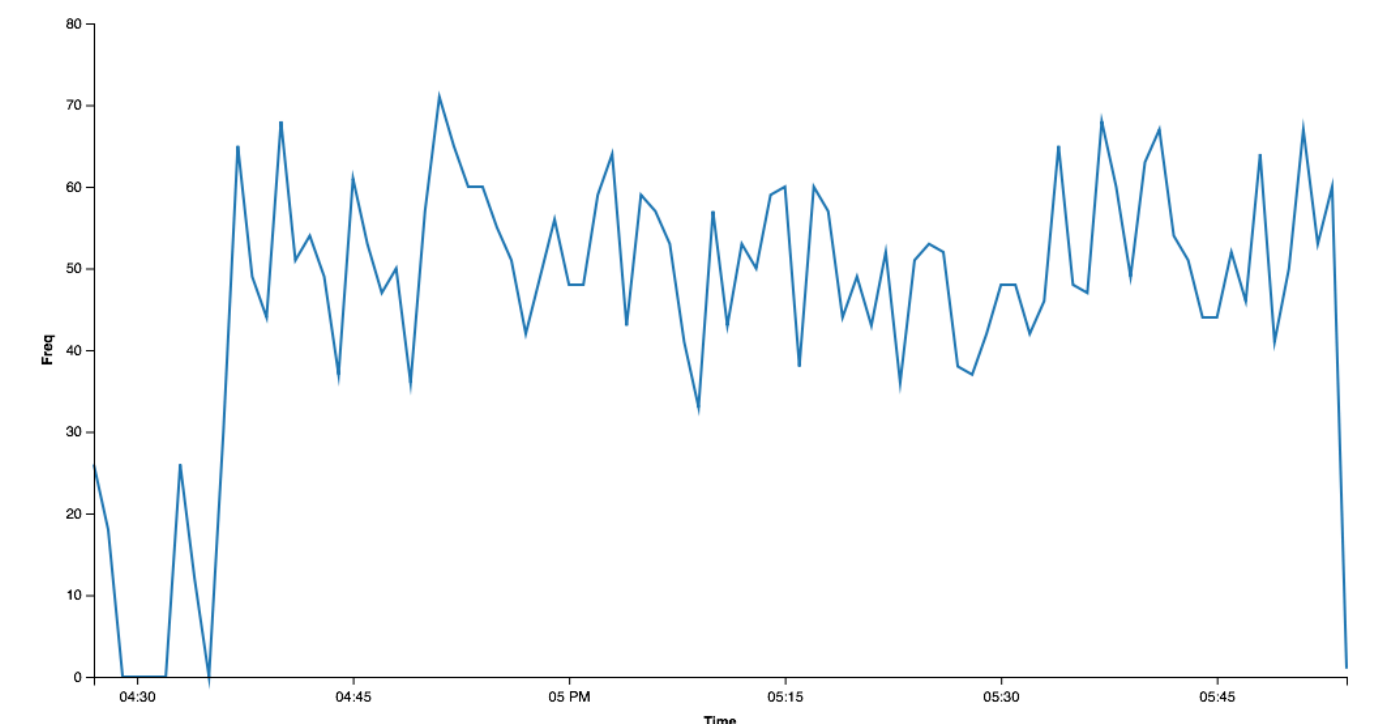
Technologies Used:



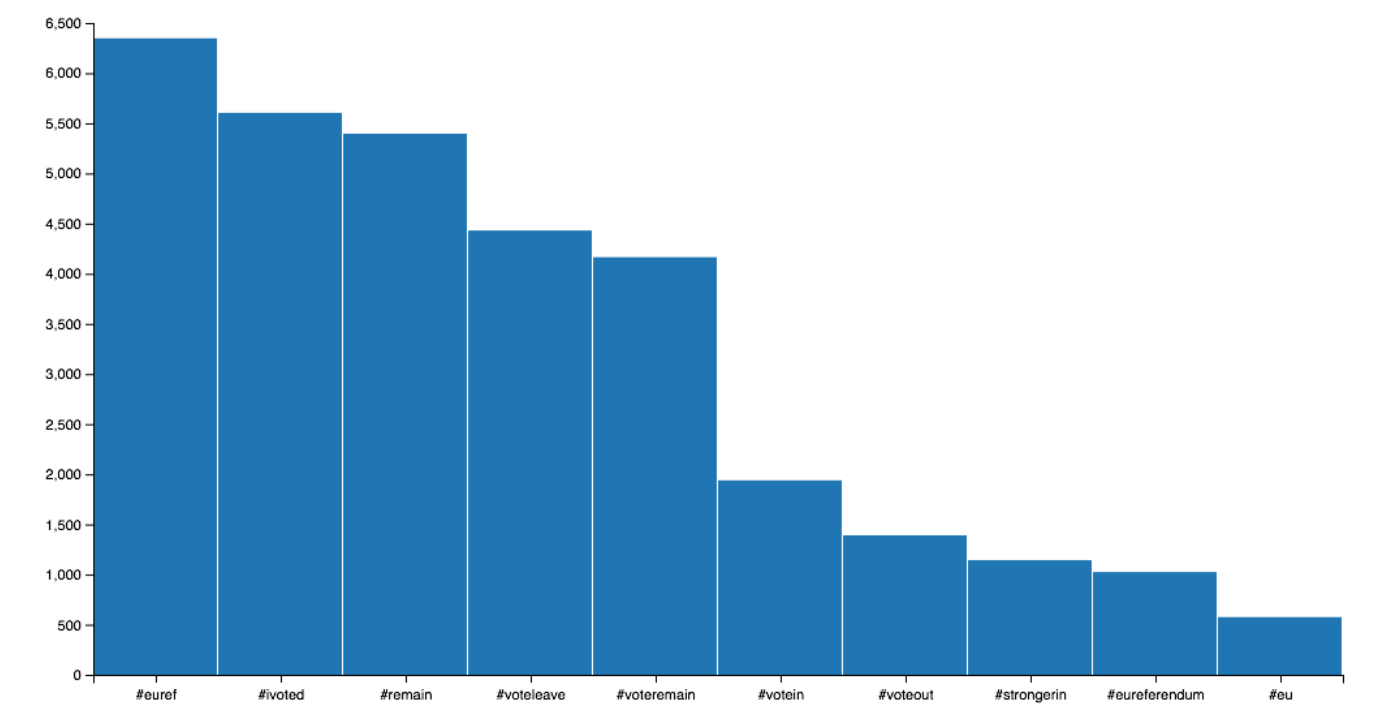
#remain



3rd June



#voteleave



23rd June

Goals

With strong interests in being a python developer as well as no previous working with sentiment analysis this should be a fun and educating project as well as time sensitive as all the data has to be captured during the month run up to the referendum on the 23rd of June.