

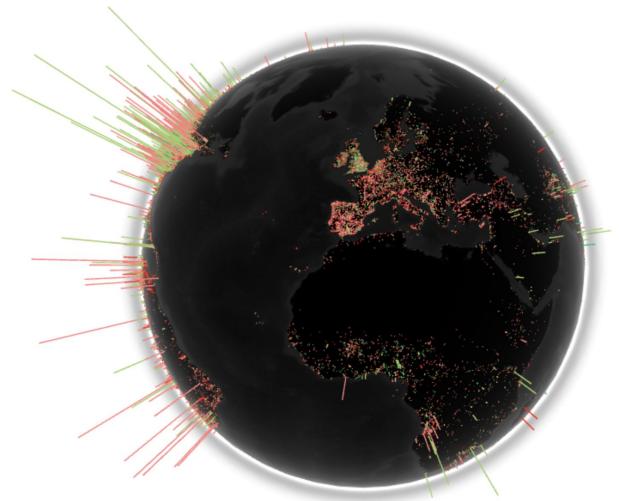
Call for Bachelor's Thesis

Analyzing and Visualizing Twitter Streams based on Trending Hashtags

Objective of thesis:

The objective of this thesis is to create a bot which analyzes the twitter streams. Each tweet should contain an ID, a location, time stamp, full text and URLs. The idea is to extract tweets from the current time up until 24 hours on some trending hashtag, e.g., #COVID19 [1].

The second step is to perform sentiment analysis as well as emotion detection using existing tools. Finally, these generated sentiments and emotions should then be plotted on the globe visualizations [2] based on location coordinates as provided by the location information in the tweet. It will only depict the sentiments of the population based on location about a current topic.



[1] <https://www.tweepy.org/>

[2] <https://experiments.withgoogle.com/chrome/globe>

The thesis will be supervised by **Dr. Mehwish Alam, Information Service Engineering at Institute AIFB, KIT, in collaboration with FIZ Karlsruhe.**

Keywords: Social Media Analysis, Knowledge Graphs, Visualization.

Pre-requisites:

- Knowledge of Programming with Python and Javascript.

Please send your CV and questions (if any) to the following e-mail address.

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