

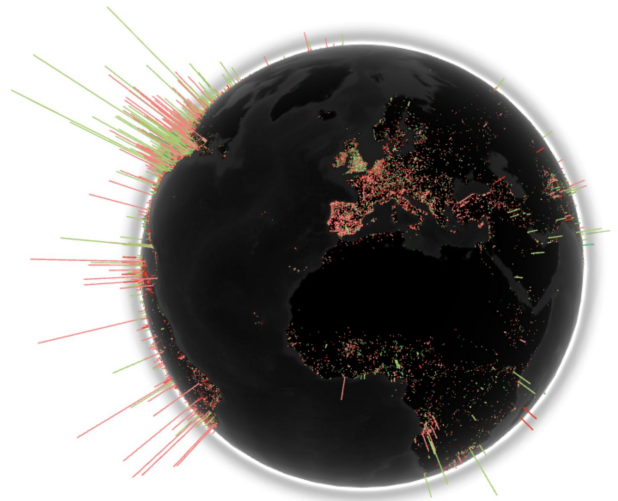
Call for Bachelor's Thesis

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**, details are given below.

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.

Contact person:
Dr. Mehwish Alam
mehwish.alam@fiz-karlsruhe.de
mehwish.alam@kit.edu