

DATA VISUALIZATION TERM PROJECT PROPOSAL

Title

Visualization of data (news articles or events) from text which is obtained by using Natural Language Processing Techniques.

Team Members

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Purpose

Natural language processing plays a vital role in our upcoming technologies, starting from our text analysis to complex speech analysis. We will be using Core NLP to process the raw data and then use our algorithms to filter the data and to obtain relevant data based on our location and sort by time. This processed data will be used for Visualization using D3.

Approach and Results

We will be using Big Data language Spark and NLP techniques on raw and random news articles gathered by using web scrapers to give the end user filtered and related articles. Then Visualize the pre-processed data (articles) on basis of location, time or category using D3 visualization techniques like calendar or any other visualization technique that best suits the Data obtained.