Sentiment Analysis of the Highest Trend of the week in Twitter

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Problem Statement

- Analyze a week of tweets from twitter and get the top 5 most trending topics based on the hash tag analysis of the tweets

- On the Highest trending topic do a lexicon based sentiment analysis to get the view of whether it is trending due to positive or negative social view.

Approach

- First collect a week of twitter data and curate it into tokens and hash tags for each tweet.(If the number of tweets is too high, will reduce the time period to 5 days)

- Then use the hashtags to get the top 5 most trending topics in twitter.

- Do a lexiconic sentiment analysis using wordnet on the top trend of the week.

Data collection

- The data will be collected from twitter using TwitterApi. The tweets of the past week.(This will take the most time)

- The amount of data will depend on the no of tweets.(if high will reduce time frame)

- Will tokenize each tweet and also collect the hash tags separately and database it.

- Each record is for one tweet and contain a list of tokens and a list of hash tags each.

Timeline

- Data collection -1 week
- Data curate - 2/3 days
- Trend analysis - 2/3 days
- Sentiment analysis - 1 week
- Final Report – 2 days

Hence this will take max of 4 weeks and will be evenly spaced.