

Week 6 Report

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This week I decided to get cracking on the main feature that I will be implementing to our system. My idea is that there is some correlation between sentiment and subject. I will be testing if both tweets being compared share a similar polarity. My thought is that if both tweets share the same positive or negative viewpoint that they are more likely to be talking about the same thing.

In further research and discussion with my colleges I have found that polarity of a tweet as it relates to the subject of the tweet can be tricky. I have the suspicion that if two tweets are deeply and inversely polar the likelihood that they are talking about the same thing may actually increase. For example, if the topic of a tweet is a political issue it is likely that two users can have inverse polar opinions about the same topic and as they are talking about the same topic we need to be able to accurately identify this phenomenon.

My approach for this is going to be a acquiring both a polar sentiment value and a confidence level for that polarity. Getting a confidence score assures that we can accurately weight the deeply polar tweets for identification of the aforementioned problem.