MOOD METER

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PROBLEM

- How the tweets can be used to determine the changing mood of a particular region as the week progresses from Monday to Sunday.

APPROACH

- We created a classifier to determine whether a particular tweet is happy or sad.
- Using this classifier, we determined the percentage of happy and sad tweets per day.
- This data was used to analyse by how much the percentage of happy tweets changed as the week progressed.

DATA

- We collected and labelled 800 tweets to make the classifier.
- Then we collected 100,000 tweets per day for a week starting from Monday to Sunday(11/23/2015- 11/29/2015) between 4pm- 6pm.
- We used only the text field of the tweets.
- We collected the tweets using streaming API.

RESULTS

- We were able to determine the predominant mood of the United States on any particular day.
- Our classifier got an accuracy of 0.65.
- The project successfully plotted that Monday is the saddest day in the United States.
- As per our assumptions, Saturday should have been the happiest day of the week but the classifier determined Thursday to be the happiest day. This might have happened because the last Thursday was the Thanksgiving day.

CONCLUSIONS

We successfully predicted the mood of a region using tweets and we verified that as the week progressed from Monday to the weekend, the happiness of the people increases. This is reflected in the tweets they make.