Abhimanyu, Hi

In response to your feedback -- point-by-point.

1 – got all points here but there is work to do.

He gives Twitter ID’s

I have to get the original Twitter submission

2.1

Please provide more detail on the techniques that you would be using in the capstone project. This can range from data preprocessing to any form of statistical analysis. (0/1)

Details on techniques used;

Pre-processing text:

Tokenization

Normalization

Normalization can include the following:

Remove HTML Tags

Expand contractions

Lowercase text

Remove Stopwords

Lemmatization

There is some leeway in normalization:

You can choose your own Stopwords

You can decide whether or not to lemmatize – depends on your ultimate use of the tokens.

All tokens will be vectorized

Statistical analysis will include creating test and training sets.

Then applying one or more Machine learning Models such as Logistic Regression or Random Forest Classification

Also applying Deep-Learning models using, Tensor-Flow, Keras, RNNs and GLOVE

Metrics include accuracy, AUC, cross-entropy loss.

3.3

Please provide more detail on how the proposed solution will be valuable to the end-user. (0/1)

There are many possible end users:

Academics

Governmental Agencies

General Public

All of them want to know what is on people’s minds. What they think about the world at this very instant. What trends are in-process.

This is really why Twitter is valuable. Not because it allows fast, wide communication – lots of ways to do that – but because it is like the 1st derivative in calculus – a way to measure the instantaneous rate of change in public discourse!

3.4

Please define project goals/milestones that you aim to achieve in this project

My goal is understanding and applying the best available tools to solve NLP problems – an ever-expanding domain that now overlaps visual recognition and classification problems. First milestone is to get this up and running with old-school methods like NLTK. Then move on to Deep Learning.

3.5

Please provide more detail on how the end-user will use your product. What is the kind of input will you take from the user? (0/1)

This question is almost the same as point 3.3

Sentiment analysis is valuable in many business domains and invaluable in social networks such as Facebook. And, of course, valuable to people in and out of government – both those in and running for office – and those involved in planning and evaluating large scale social projects.

The user may request that I conduct sentiment analysis for their business/project/election campaign.