Sentiment Twitter Analysis

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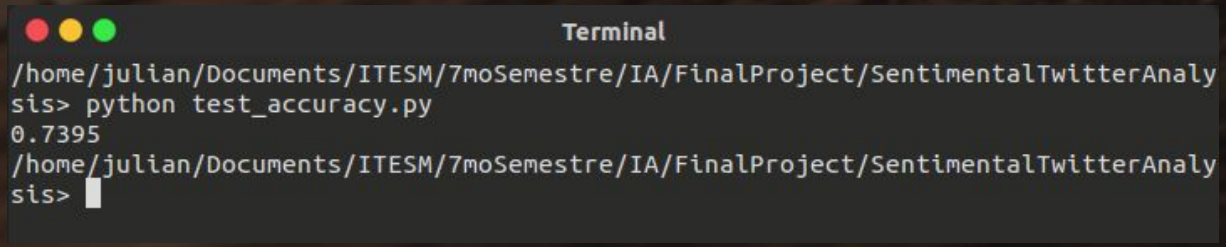
What?

- People nowadays express their feelings via social networks.
- To classify a Tweet (text) as a positive or negative Tweet sentiment.

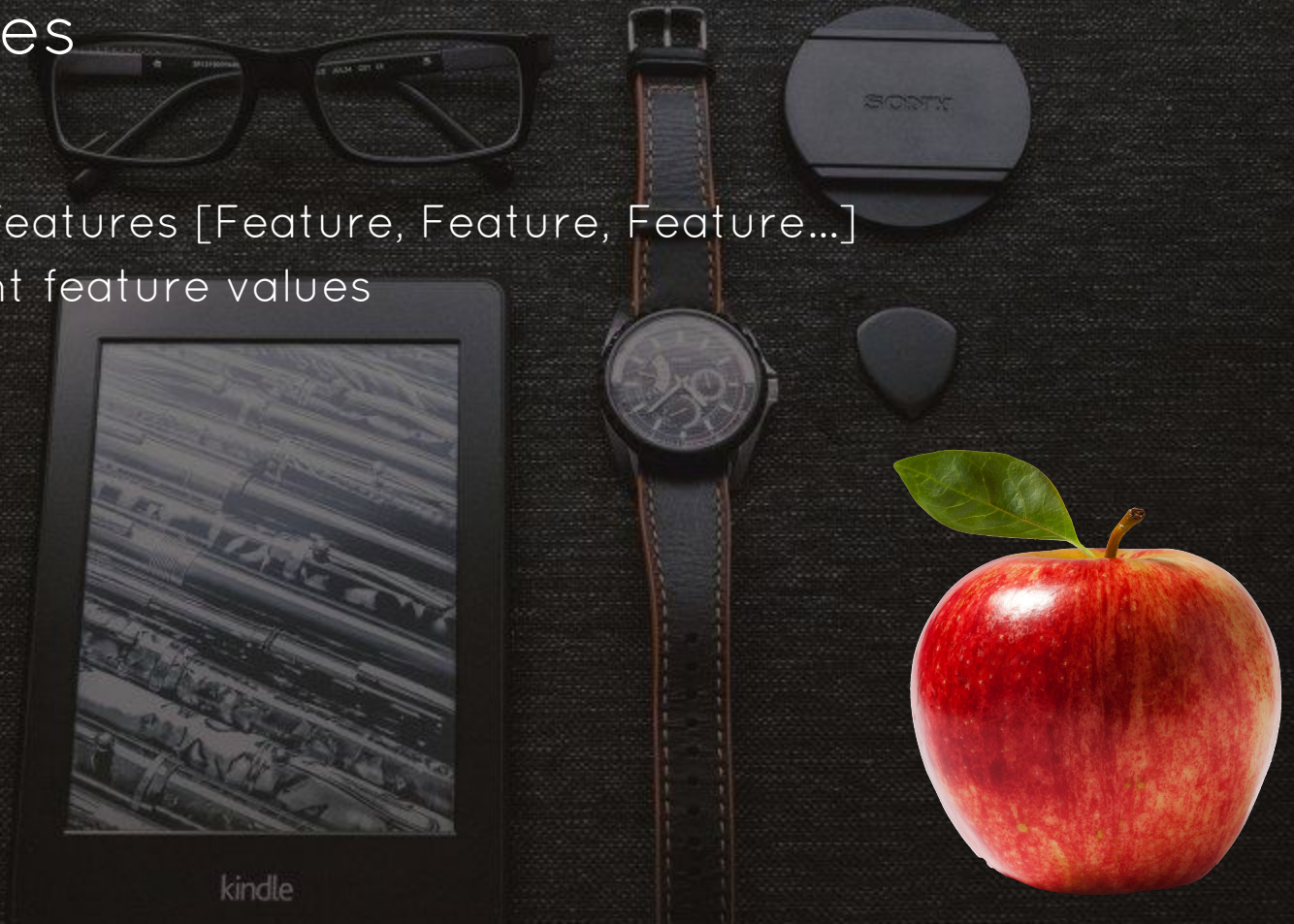
How?

- Labeled Dataset (supervised learning). Source: https://github.com/caesar0301/awesome-public-datasets
- Clean data
- Train algorithm (NLTK Naive Bayes Classifier) and dump it
- Predict
- Accuracy
- Twitter connection



Naive Bayes

- Classes
- Vectors of features [Feature, Feature, Feature...]
- Independent feature values



What worked?

- 73.9% accuracy
- Twitter connection
- Real time charts

What didn't work?

- Train algorithm with a lot of data
- "Tricky" tweets like: "I love being sad"

What can be improved?

- Porter Stemming
- Charts
- More than just "Positive" or "Negative" classes

What for?

- Get statistics from the opinion of people about an specific topic
- Get real time charts
- Different classifications (not just positive or negative)