Temporal sentiment analysis of comments Facebook (TSAofCFB)

# Purpose

Program creates graph of temporal sentiment analysis of comments in a post on Facebook.

# Sentiment analysis

Sentiment Analysis is the process of determining whether a piece of writing is positive, negative or neutral. It’s also known as opinion mining, deriving the opinion or attitude of a speaker. A common use case for this technology is to discover how people feel about a particular topic.

# Technologies

## Graph API

The Graph API is the primary way to get data in and out of Facebook's platform. It's a low-level HTTP-based API that you can use to query data, post new stories, manage ads, upload photos and a variety of other tasks that an app might need to do.

Link: <https://developers.facebook.com/docs/graph-api>

## Load the Graph API Explorer

The easiest way to understand the Graph API is to use it with the Graph API Explorer, a low-level tool you can use to query, add and remove data.

Link: <https://developers.facebook.com/tools/explorer>

# Libraries in Use

## Natural Language Toolkit

NLTK is a leading platform for building Python programs to work with human language data. It provides easy-to-use interfaces to [over 50 corpora and lexical resources](http://nltk.org/nltk_data/) such as WordNet, along with a suite of text processing libraries for classification, tokenization, stemming, tagging, parsing, and semantic reasoning, wrappers for industrial-strength NLP libraries,

Link: <http://www.nltk.org/>

## Facebook SDK for Python

This client library is designed to support the Facebook Graph API and the official Facebook JavaScript SDK, which is the canonical way to implement Facebook authentication.

Link: <https://facebook-sdk.readthedocs.org/>

Matplotlib

Matplotlib is a python 2D plotting library which produces publication quality figures in a variety of hardcopy formats and interactive environments across platforms.