

## Assignment 2: Twitter Streaming

### Detail on Application Architecture

Max Lee

Professor Edward Fine

Research Design and Application for Data and Analysis – w205

August 13, 2017

## EXERCISE SUMMARY .....

In this exercise, we created an architecture that received a twitter stream and successfully applied a count transformation that was updated into a Postgres table. The data was subsequently queried for two serving-layer python files. The general topology can be found below (taken from the exercise pdf):

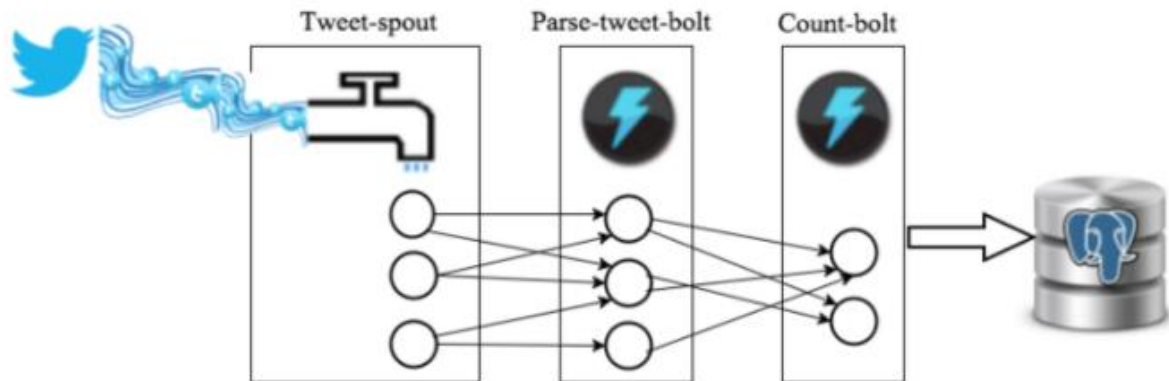


Figure 1: Application Topology

## RELEVANT FILE ARCHITECTURE .....

/exercise\_2 : Wrapper folder with all files

/exercise\_2/exttweetwordcount : Storm project

/exercise\_2/exttweetwordcount/topologies/tweetwordcount.clg : topology file

/exercise\_2/exttweetwordcount/src/bolts : bolts for tweet parsing and wordcount

/exercise\_2/exttweetwordcount/src/spouts : spouts for receiving twitter information

/exercise\_2/Twittercredentials.py : file with Twitter credentials for stream, can be amended for personal log in

/exercise\_2/finalresults.py : serving file 1

/exercise\_2/histogram.py : serving file 2

/exercise\_2/ReadMe.txt : Read me document for the application use