

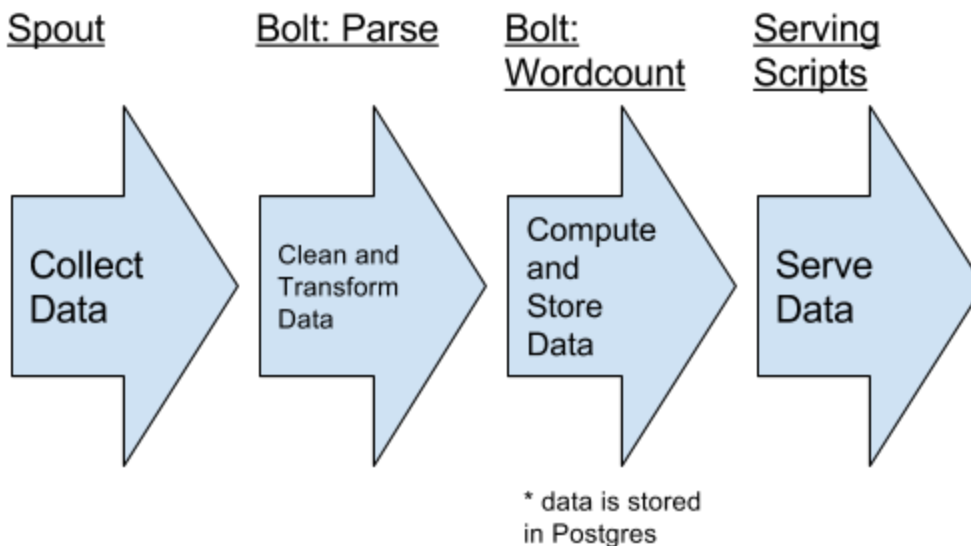
Application idea

Collect Twitter tweet data, parse tweets into words, and count the words to understand what topics users are discussing.

Directory and file structure

- w205_2017_fall/exercise_2/
 - Topology (extweetwordcount/topologies/)
 - Spouts and Bolts (extweetwordcount/src/)
 - Spout: (spouts/tweets.py)
 - Collect Tweet data
 - Contains Twitter credentials
 - Bolts: (bolts/)
 - Parse (parse.py)
 - Splits Tweet data into words, filters out the hash tags, “RT”, “@” and “urls”
 - Count (wordcount.py)
 - Updates word count in Postgres table
 - Serving scripts:
 - Display count of all words, or of a specific word (finalresults.py)
 - Display all words within a count range (histogram.py)
 - Instructions to run the application (README.txt)

Architecture



Topology

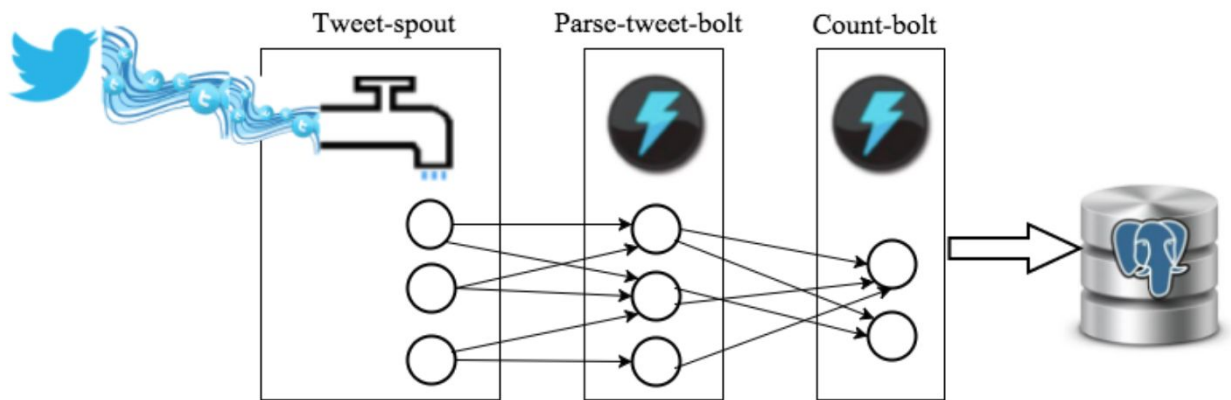


Figure 1: Application Topology