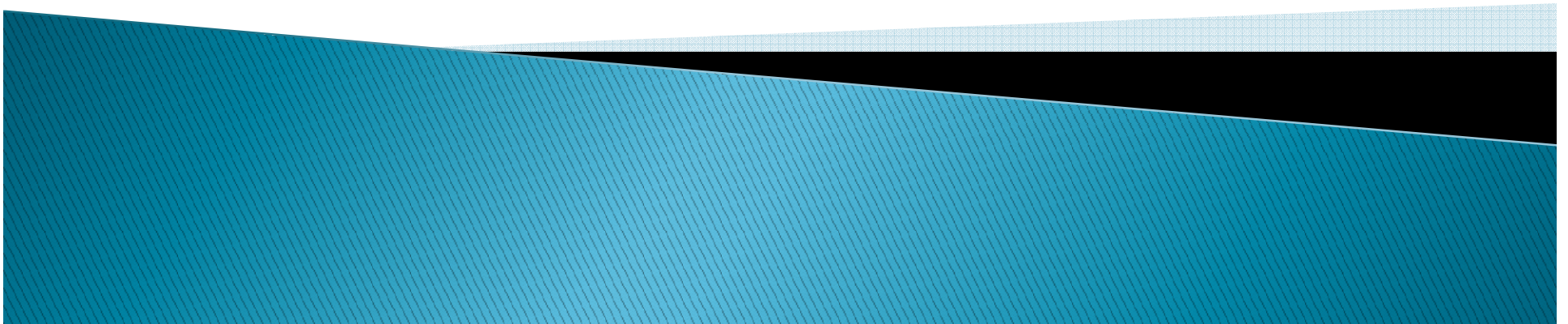


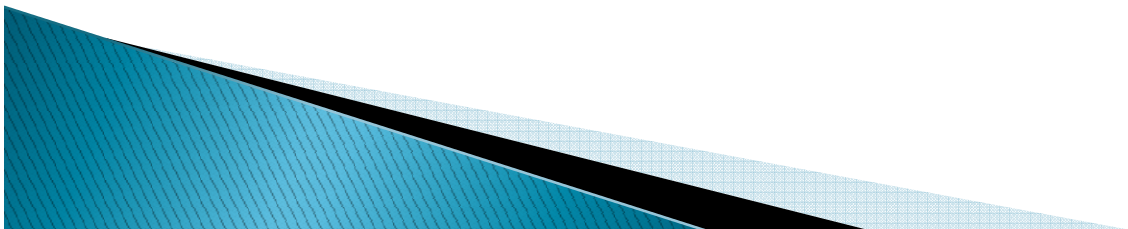
Visualizing Twitter Trends

By Kevin Wong
Mentor: James Abello & Yifan Hu



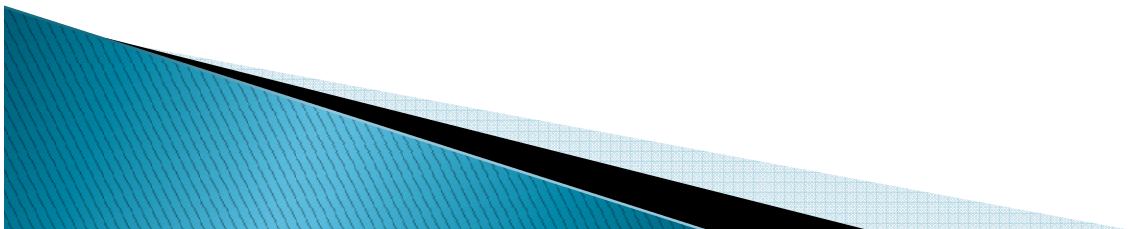
Project Description

- ▶ What are people talking about?
- ▶ Are there emerging trends?
- ▶ Tweets are public
- ▶ Visualize tweets over time & space
- ▶ How does language usage differ...
 - Between regions?
 - Over time?



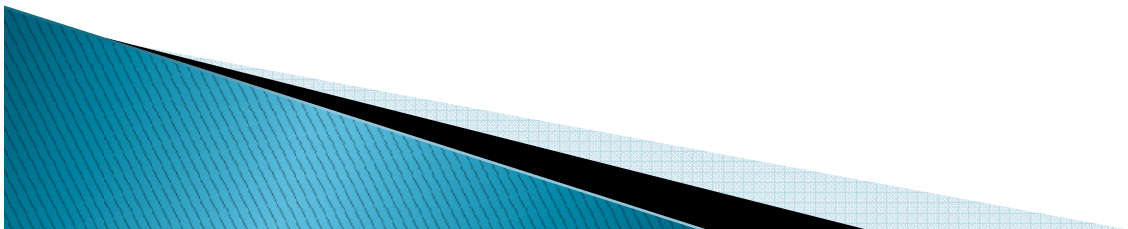
Objective

- ▶ Tweets are:
 - Short – 140 char max
 - Frequent – 3000 t/sec
 - Contain geocode
- ▶ Clustered by location + topic
- ▶ Keyword summary of each
- ▶ What are trends in:
 - NYC?
 - Tokyo?
 - Prague?



Milestones

- ▶ Milestone 1: Collecting Twitter Data
 - cURL library
- ▶ Milestone 2: Word Cloud
 - Porter Stemmer
- ▶ Milestone 3: Twitter clustering
 - Working with Ahmed
- ▶ Milestone 4: Graph Visualization
 - C++ OpenGL → Google Maps



References

- ▶ Project Proposal:
 - <http://dimacs.rutgers.edu/REU/2012/proposed.html>
- ▶ cURL library:
 - <http://curl.haxx.se/>
- ▶ Porter Stemmer:
 - <http://tartarus.org/~martin/PorterStemmer/>
- ▶ Twitter stream:
 - <https://stream.twitter.com/1/statuses/sample.json>
- ▶ Images:
 - Word Cloud:
 - <http://www.reportr.net/2008/08/18/what-a-word-cloud-says-about-this-blog/>
 - Atlas:
 - http://go.hrw.com/atlas/norm_hm/world.htm

