MIS 0855 Spring 2015 – Data Science Day 34 – Beyond Numbers

Min-Seok Pang

Management Information Systems
Fox School of Business, Temple University
minspang@temple.edu

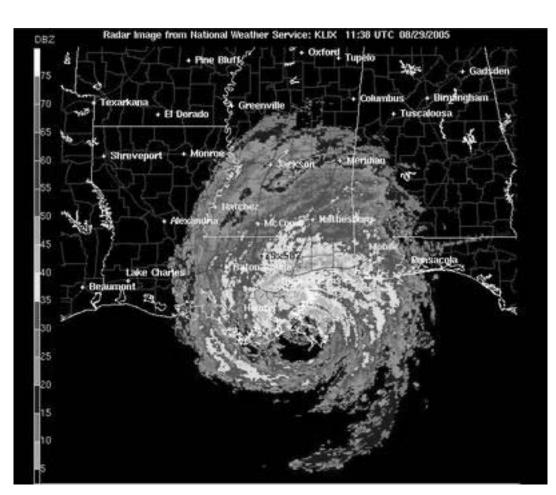
Apr. 8th, 2015





Structured vs. Unstructured Data



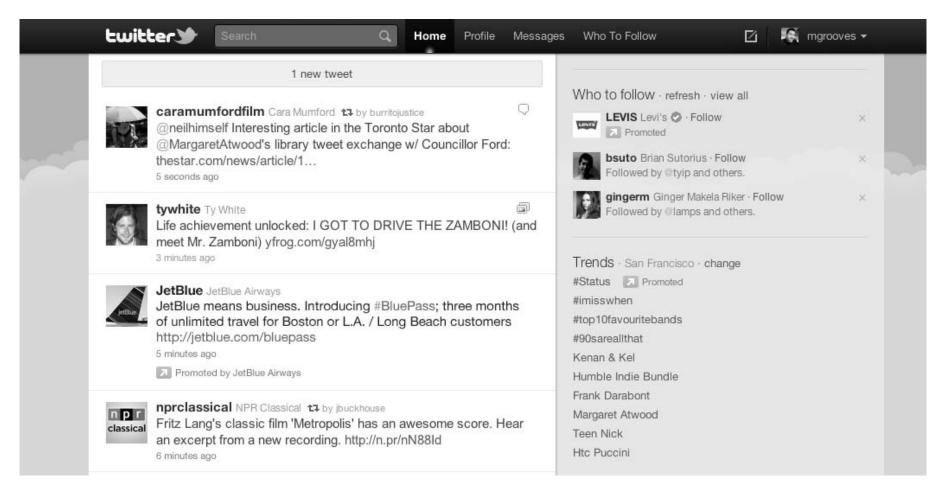


Other examples of unstructured data?



Twitter Tweets

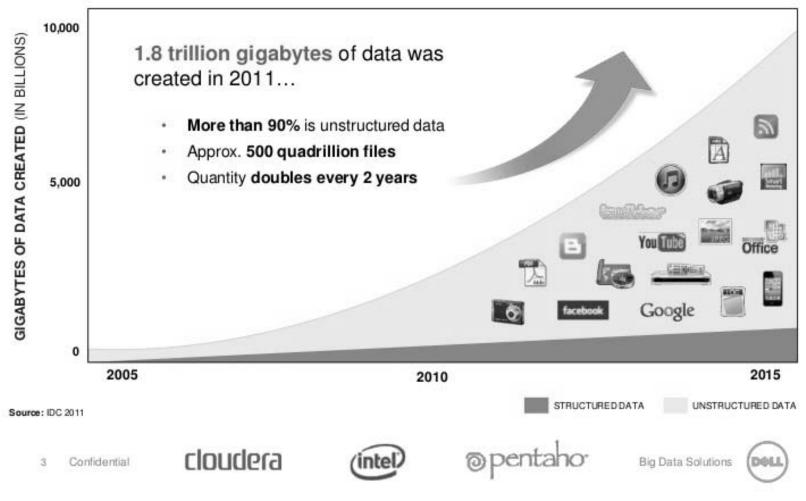
• What is the structure data and what is unstructured?



http://www.cnet.com/news/twitter-starts-injecting-paid-tweets-into-the-stream/

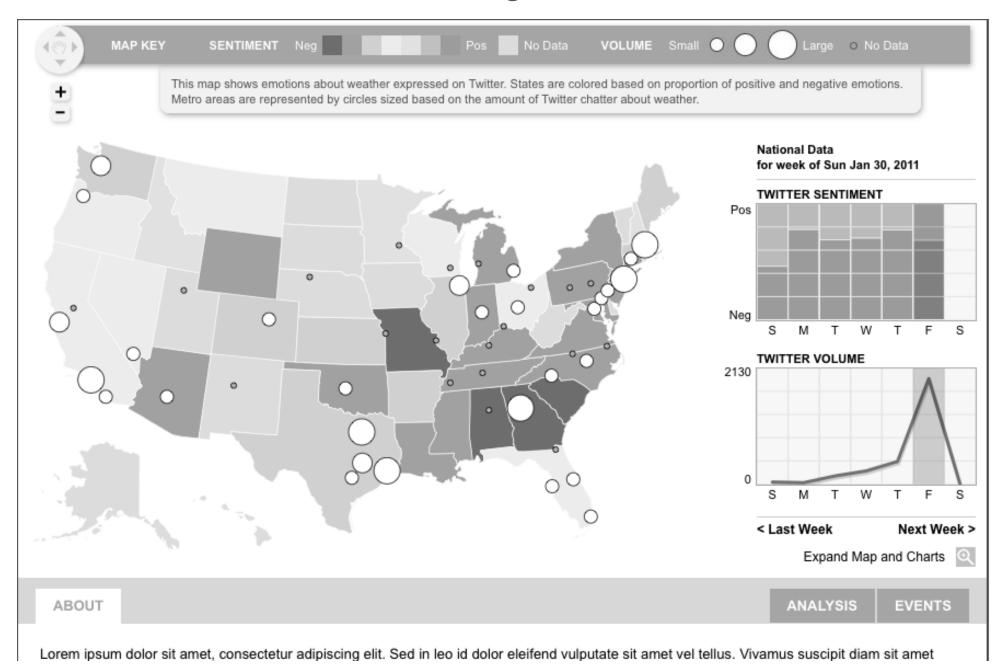


Explosive Data Growth



http://www.slideshare.net/cloudera/webinar-using-hadoop-analytics-to-gain-a-big-data-advantage

Twitter Sentiment Analysis





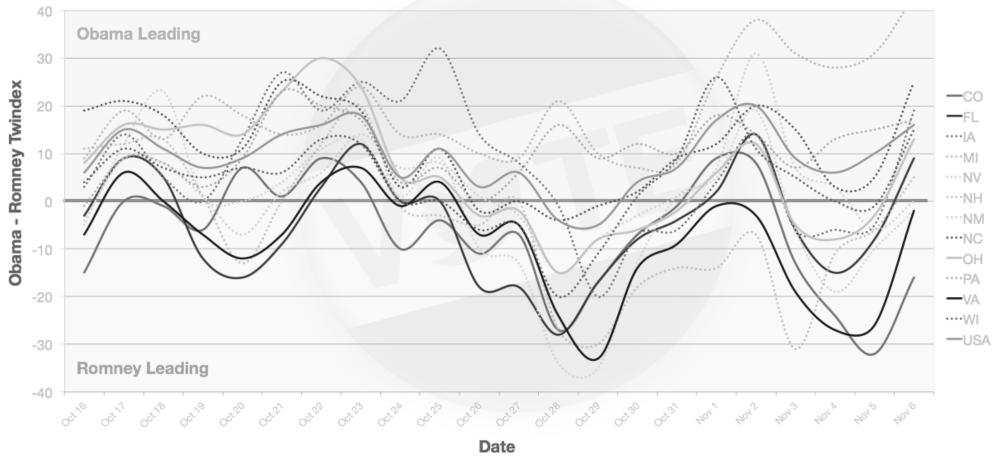
Twitter Political Index: The Swing States

Net difference in @BarackObama vs. @MittRomney #Twindex scores in @USAToday- and @Gallup-defined "swing states." October 16, 2012 to November 6, 2012 (partial day)

October 16, 2012 to November 6, 2012 (partial day)

Follow @gov for more about government & politics on Twitter.

ANALYTICS TOP





Yelp Reviews for Poi Dog Snack Shop

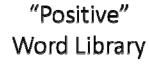


Gabby M.
Philadelphia, PA
17 friends

88 reviews



Sooo good! The pork is amazingly flavorful and tender! The staff is very friendly. I wish they came around University City more often. Cannot wait to have it again!



Great

Fantastic

Best

Wonderful

Outstanding

Amazing



Share review

Q Compliment

Send message

Follow Sean P.



By far my favorite food truck at Temple.

I've eaten here numerous times. They operate an odd schedule, moving to different locations out the city. I haven't pinned down exactly which days they're on campus, but I crack a huge smile every time I see their little cart.

I've never had a bad meal at Poi Dog. The tacos are superb, katsu chicken quite tasty, and even the spam musabi, which I was very hesitant about, was a wonderful surprise. The mochi nori chicken is among the best meals that I've ever had from a food truck. It's crunchy and sweet with nuanced spices that I've yet to pin down.



A sentiment analysis is not an easy task.

Your class was terrific Your class was terrifically bad Your class was awfully good I'd like to tell you that your class was great, but I can't!



How we'll do a sentiment analysis



Retrieve Tweets using a spreadsheet add-in in Google Drive

Copy the tweets from Google
Drive to a special Excel workbook

Excel classifies the Tweets as positive or negative