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

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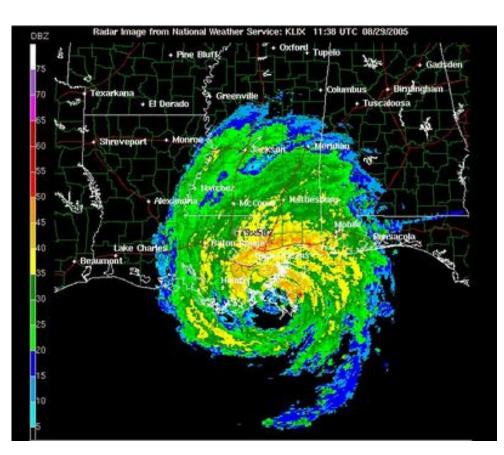
Apr. 8th, 2015





Structured vs. Unstructured Data



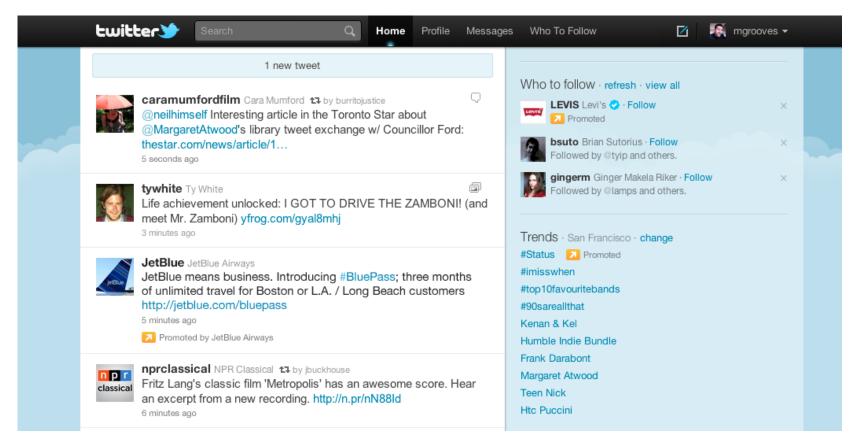


Other examples of unstructured data?



Twitter Tweets

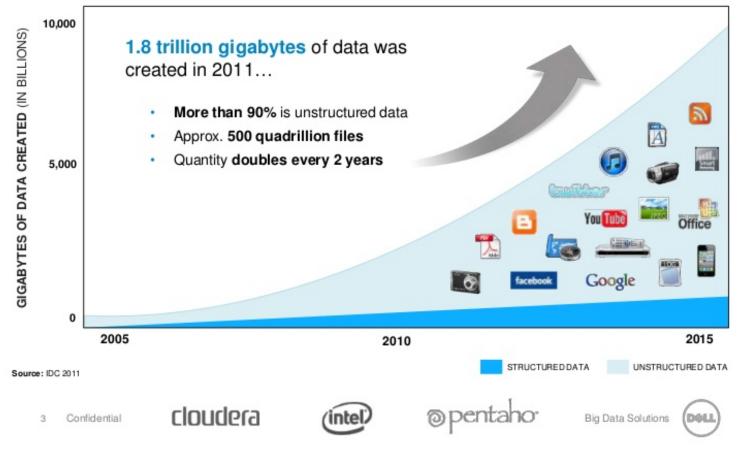
• What is the structure data and what is unstructured?



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

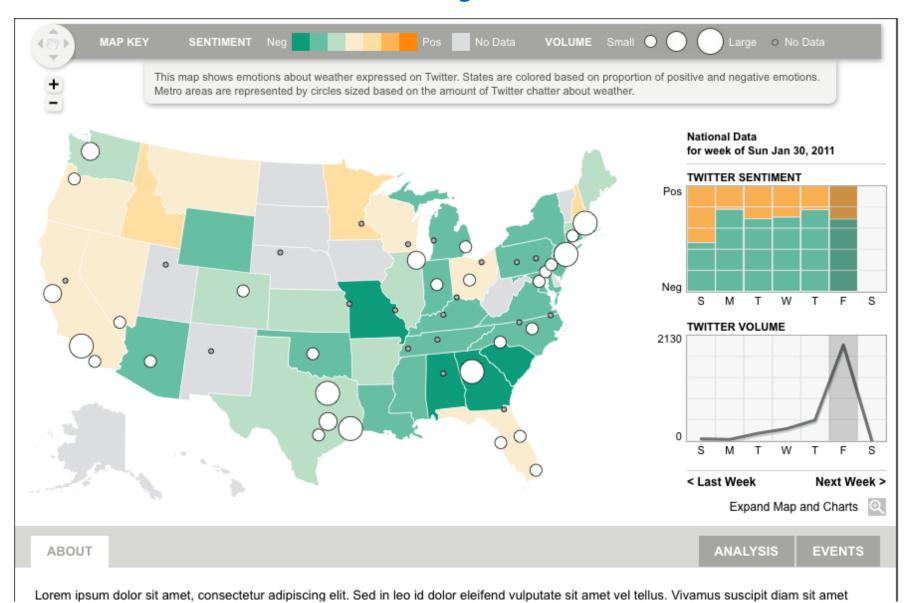


Explosive Data Growth



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

Twitter Sentiment Analysis

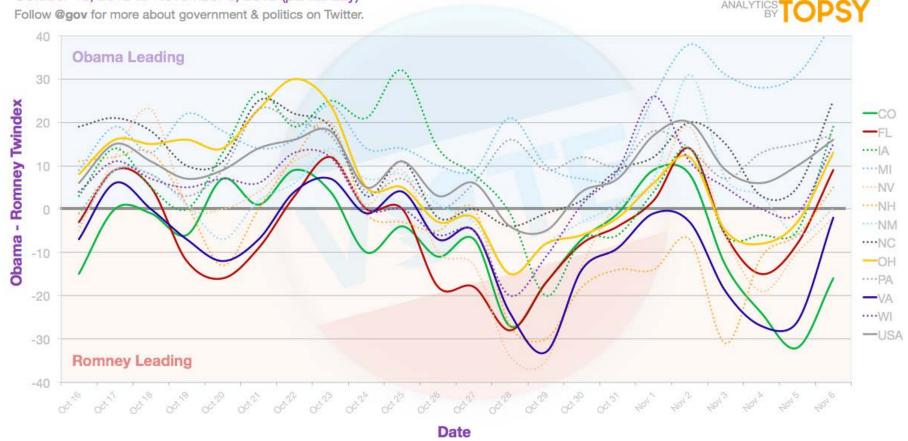


http://www.dialogueearth.org/2011/05/13/hope-for-human-sentiment-analysis-coding/



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)



http://mashable.com/2012/11/06/twitter-sentiment-romney-obama/



Yelp Reviews for Poi Dog Snack Shop



Gabby M. Philadelphia, PA

17 friends

88 reviews

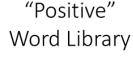






🛨 🛨 🖈 🔭 7/11/2014

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



Sean P. Philadelphia, PA 25 friends

12 reviews

Share review

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