

6 June
2013

Smart Cities

Session 5: Lecture 3:

Finale: Open Questions: What We Have Not Covered

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The Issues

1. Social Media
2. Web Services – Location Based Services and Non-Location Based
3. Digital Participation More Generally: PPGIS
4. Apps – hand held Devices and Access to the Web and Cloud
5. APIs in General and Those Related to Streaming

Olympics Live Tweet Collection

We are collecting all geo-located Tweets that are being sent from the Olympic Park for the period from the Opening Ceremony until the end of the Closing Ceremony. This collection is being carried out by 22 servers collecting as using an alpha version of the [log4j](#) [library](#).

Each collector updates as the master server requests an update. The total count will be reflected on this page in real-time using WebSockets so keep this page open and watch the collector update. Each counter starts from zero and will take a few seconds to level out after which each counter will update automatically.

Reading fest

0000164,089

Total Collection

0000785,189

Horse guards

0000122,455

Earls court

0000111,132

Aquatics centre

0000059,529

Waterpolo

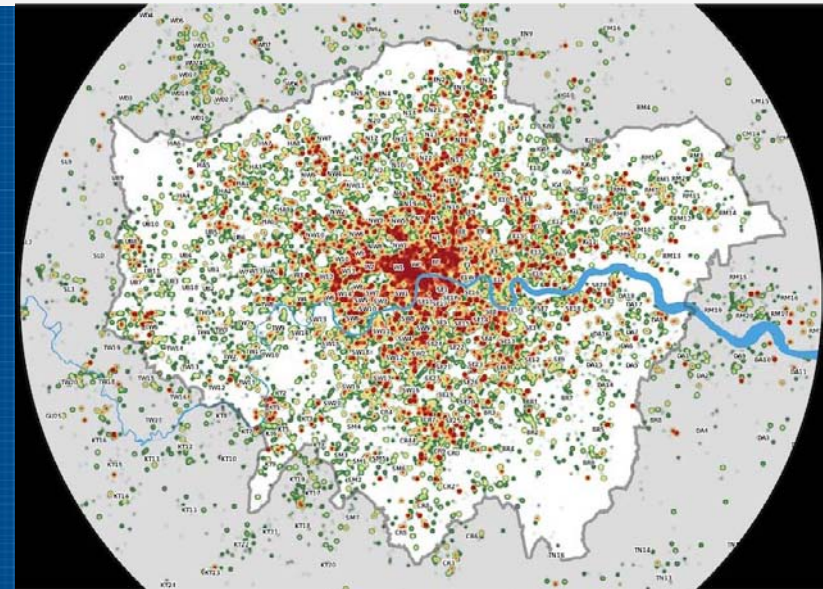
0000058,200

Basketball arena

0000050,845

Bmx

0000050,089

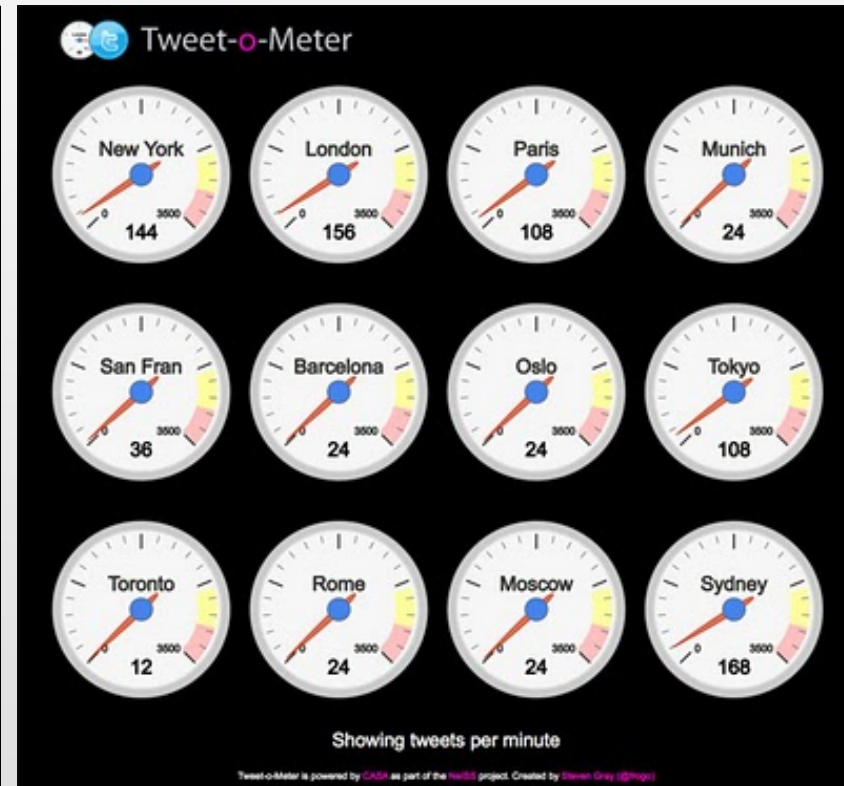
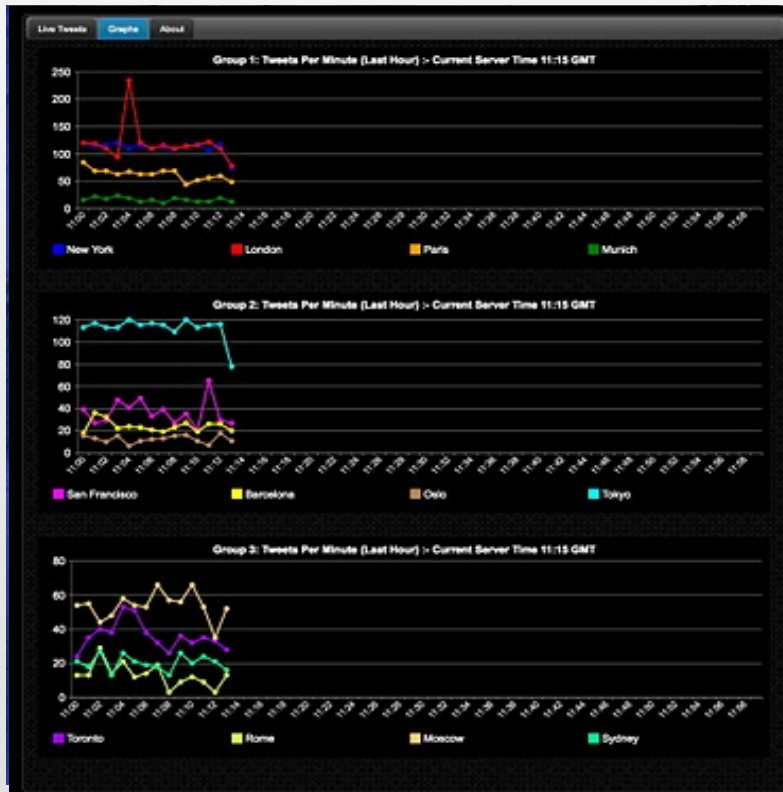


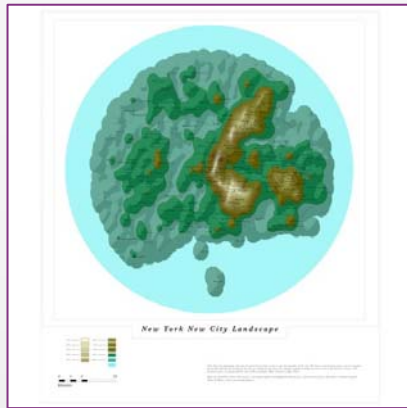
Visualising London's Tweets

3 Months – Jan to March 2011

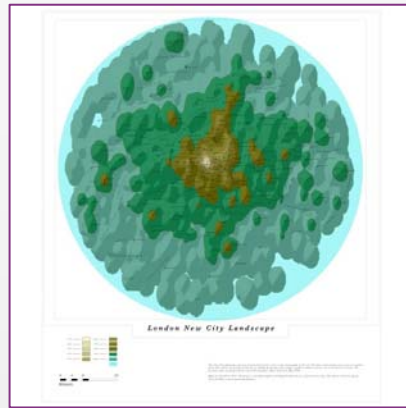
Collecting social media using open APIs such as Twitter data; extracting meaning from such data such as spatial locations. The collection requires large storage (multi-server) capacity for routine analysis

Spatial Analysis of Urban Activity using Twitter data

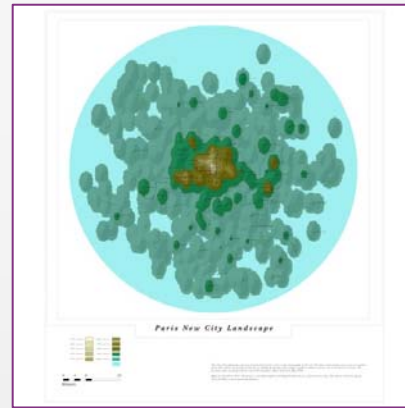




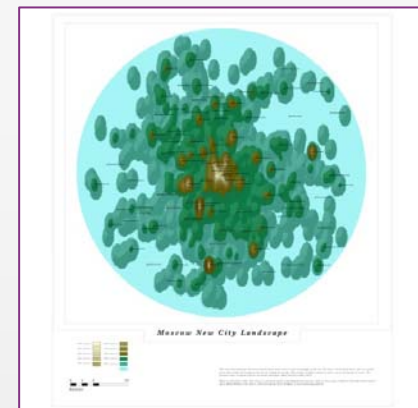
New York



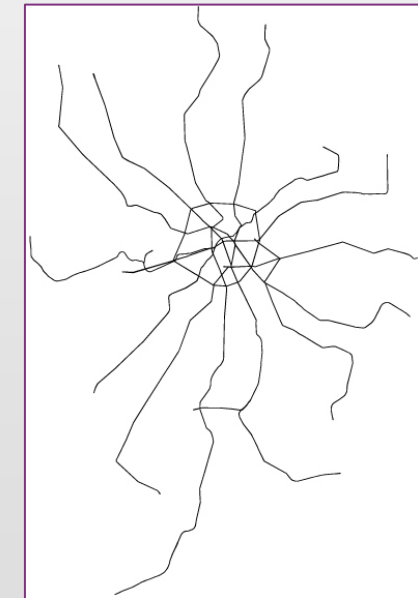
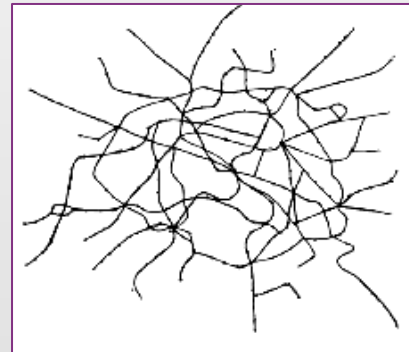
London



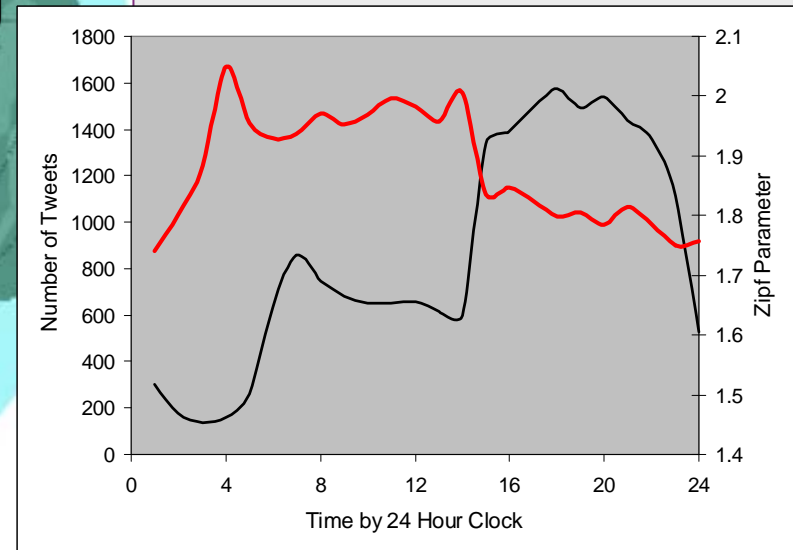
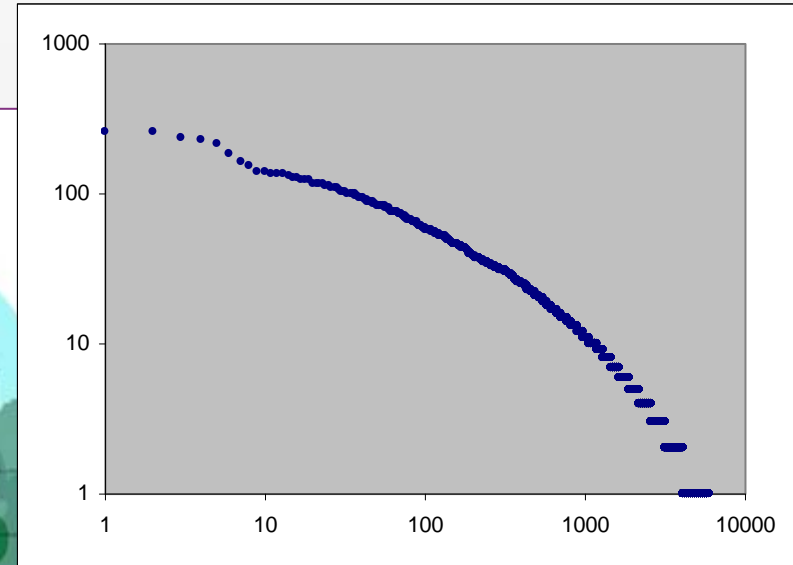
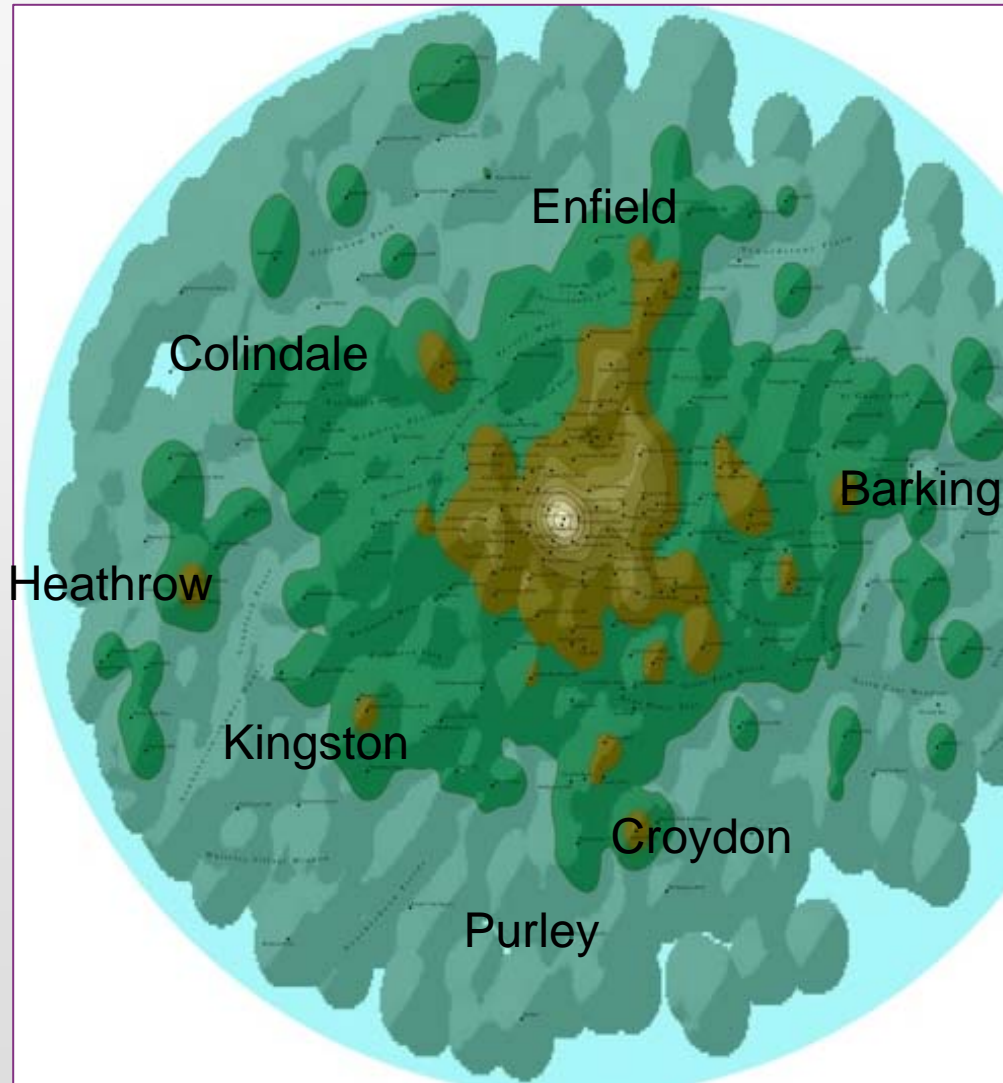
Paris



Moscow



London





mappiness.org.uk



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We don't want to wake you in the night! If you're outside the UK [please click here for important time zone info.](#)



signup3

mappiness maps happiness across space in the UK

mappiness is a free app for your iPhone

It's part of a research project at the London School of Economics

We'd love to have you on board!

how does it work?

- You [get mappiness from the App Store](#), open it, and sign up
- We beep you once (or more) a day to ask how you're feeling, and a few basic things to control how you're with where you are

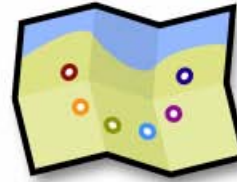


what's in it for you?

- Interesting information about your own happiness, which you can download or see charted inside the app — including when, where and with whom you're happiest
- The warm glow of helping increase the sum of human knowledge

what's in it for us?

- We're particularly interested in how people's happiness is affected by their local environment — air pollution, noise, green spaces, and so on — which the data from mappiness will be absolutely great for investigating





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