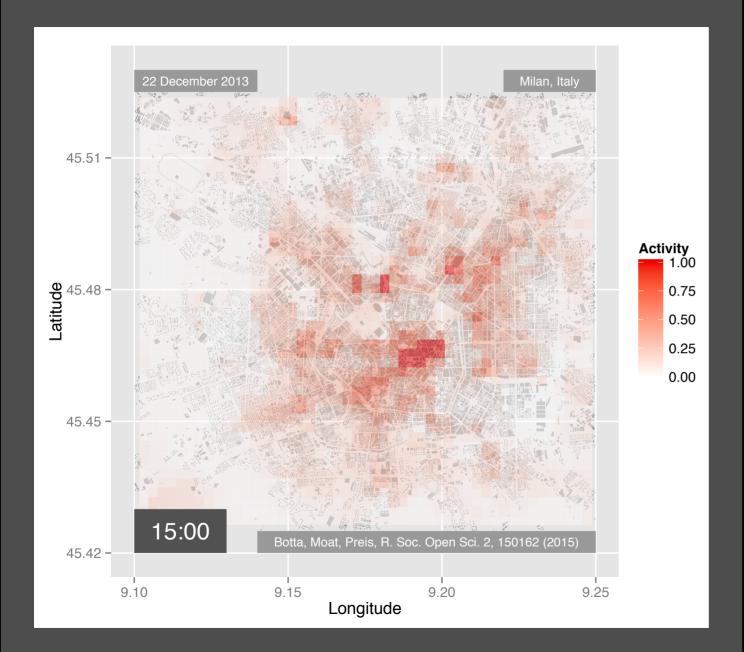




Photo: Reuters

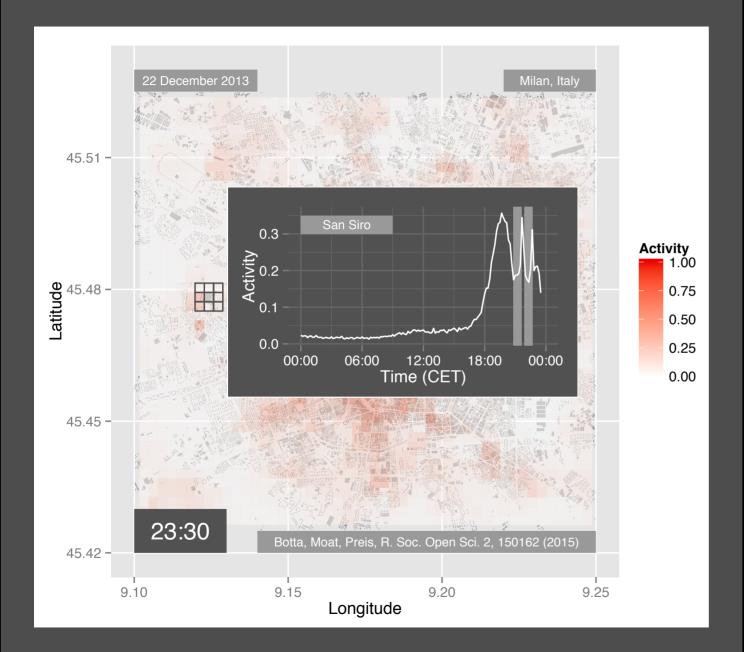


Photo: Kris Krüg



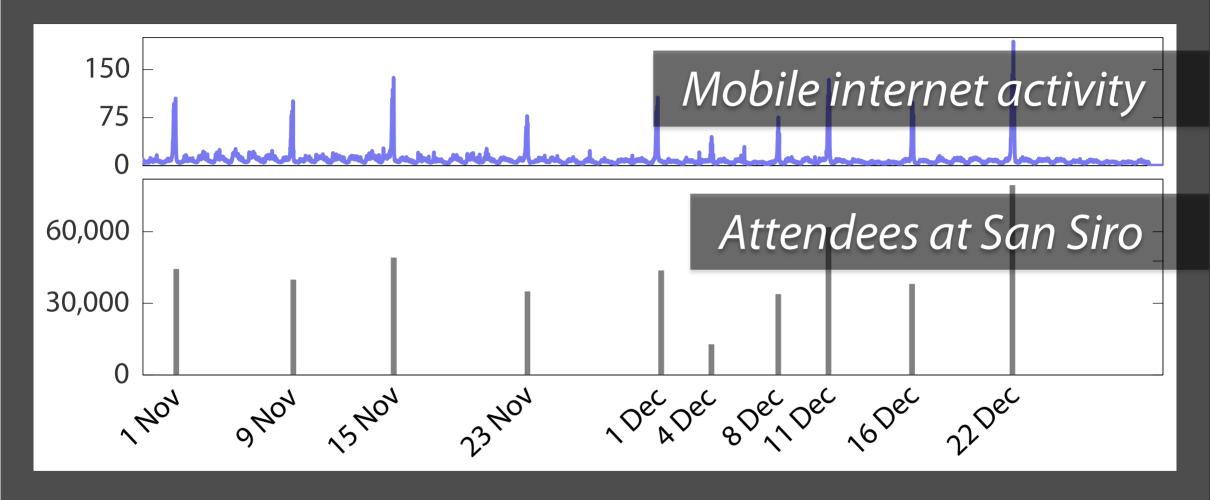


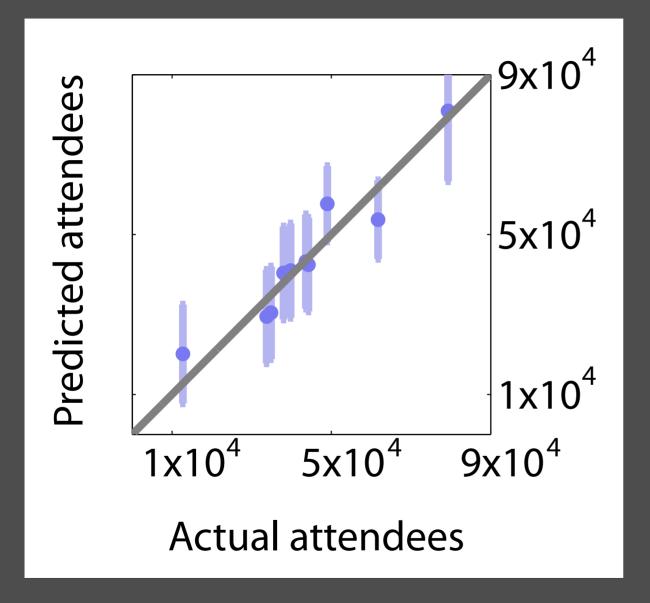
Milan December 2013





Milan December 2013

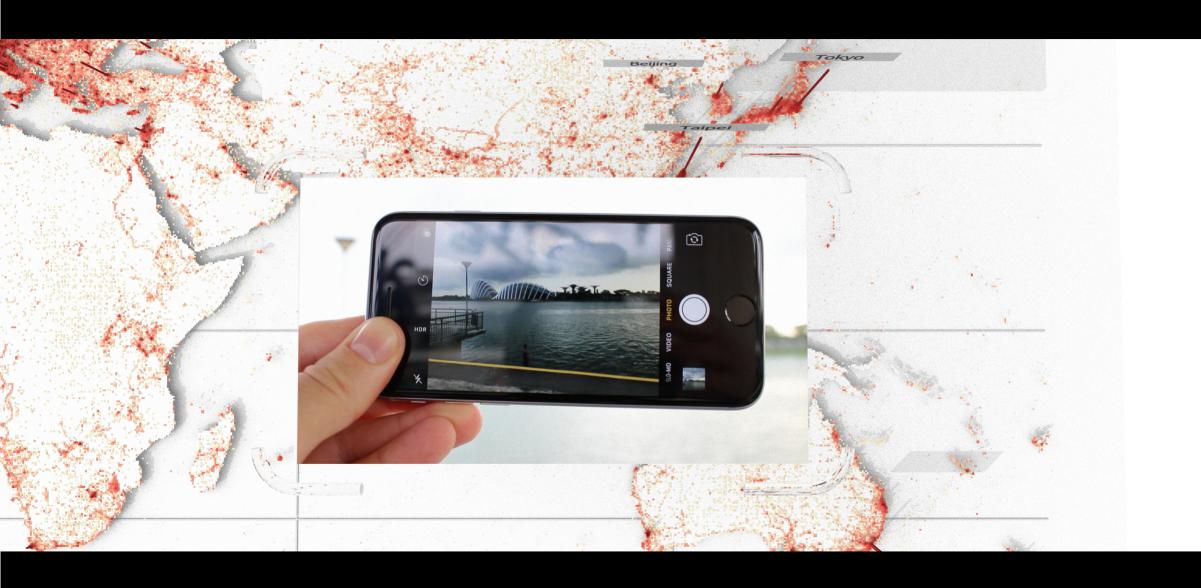


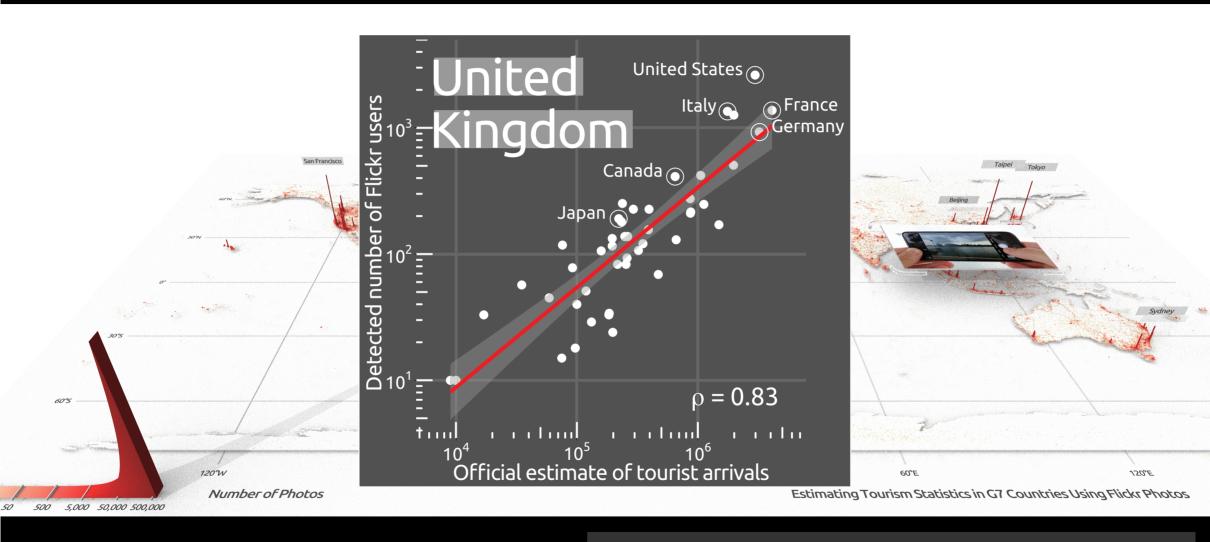




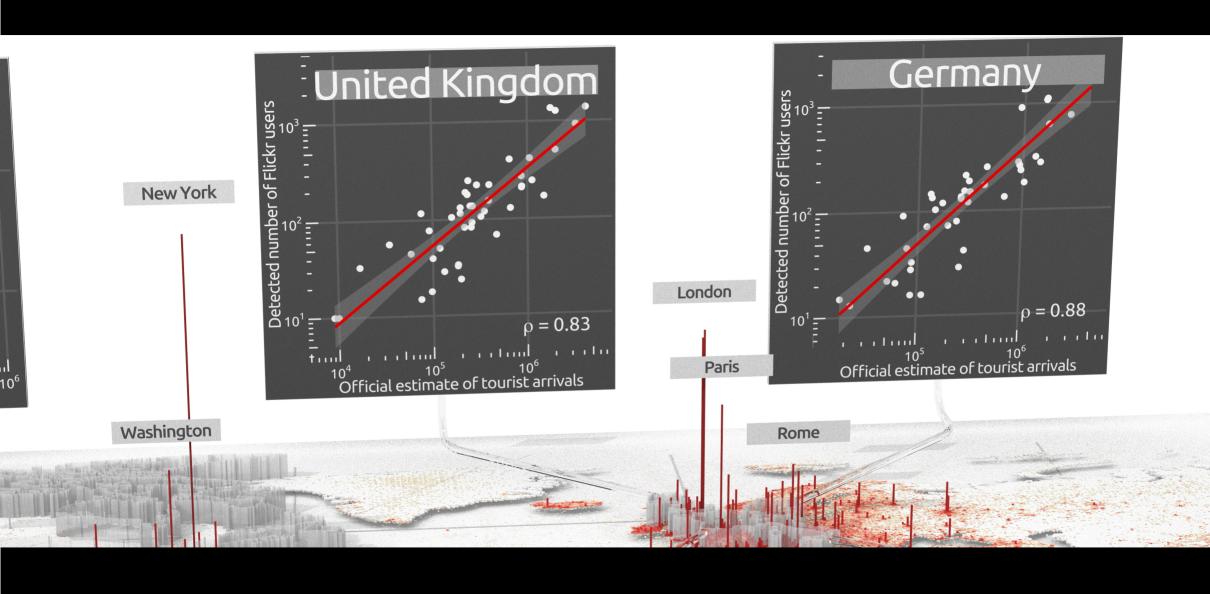
Match attendance estimated from phone activity

Botta, Moat & Preis (2015)





Barchiesi, Moat, Alis, Bishop & Preis (2015)



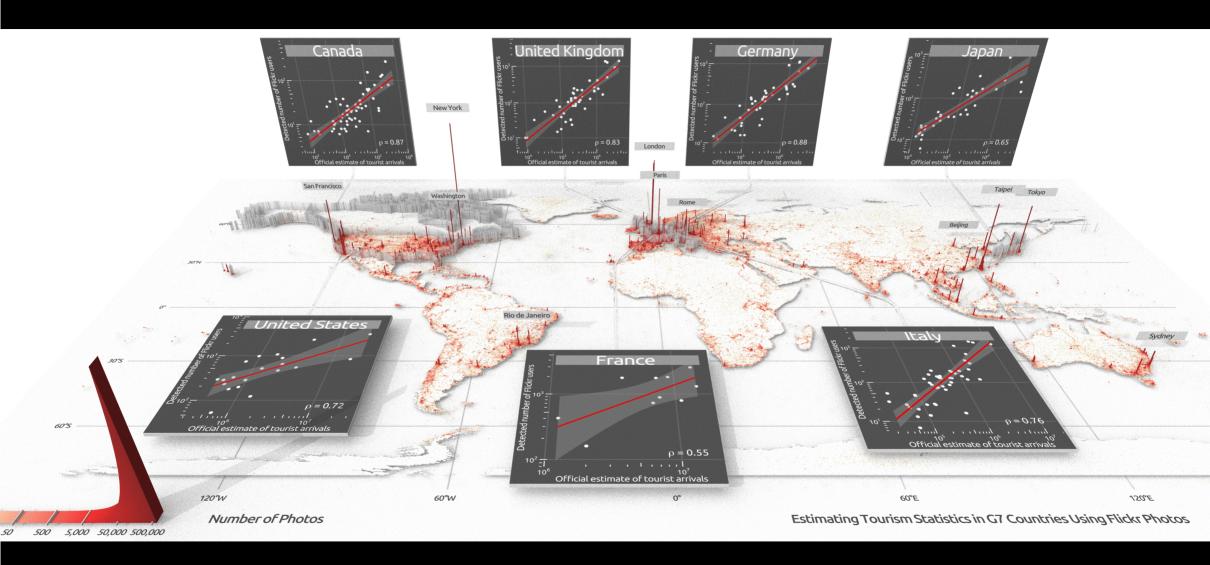
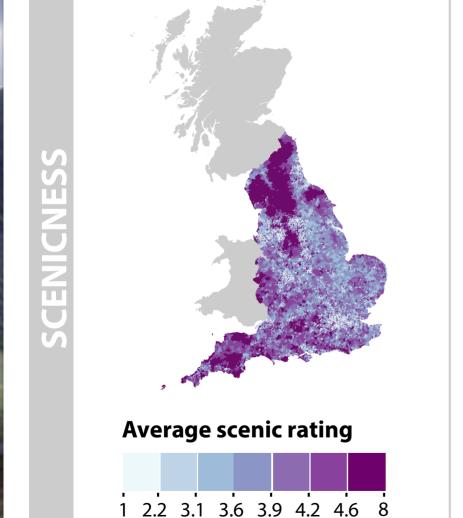






Photo by David Wild (Licence)

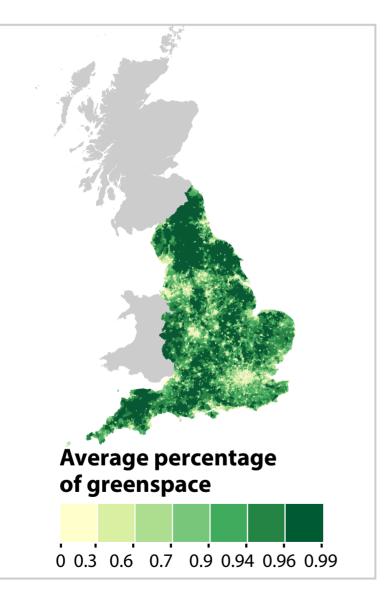




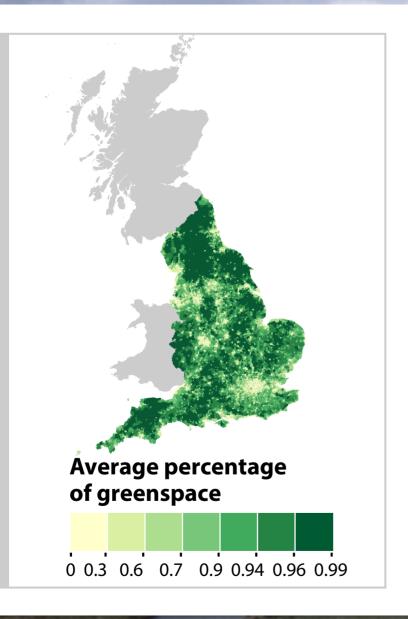
People who live in more scenic locations report better health

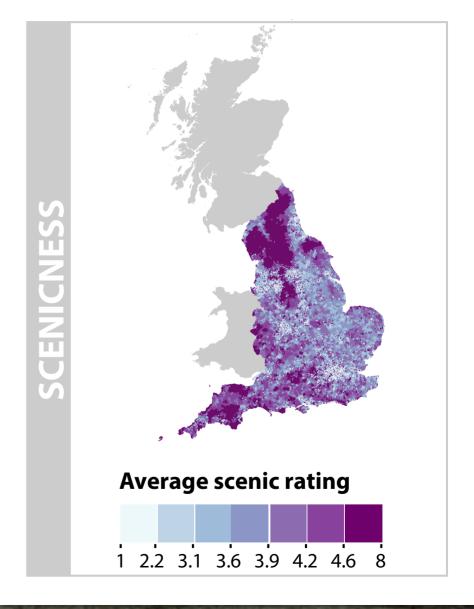
Seresinhe, Preis & Moat (2015)









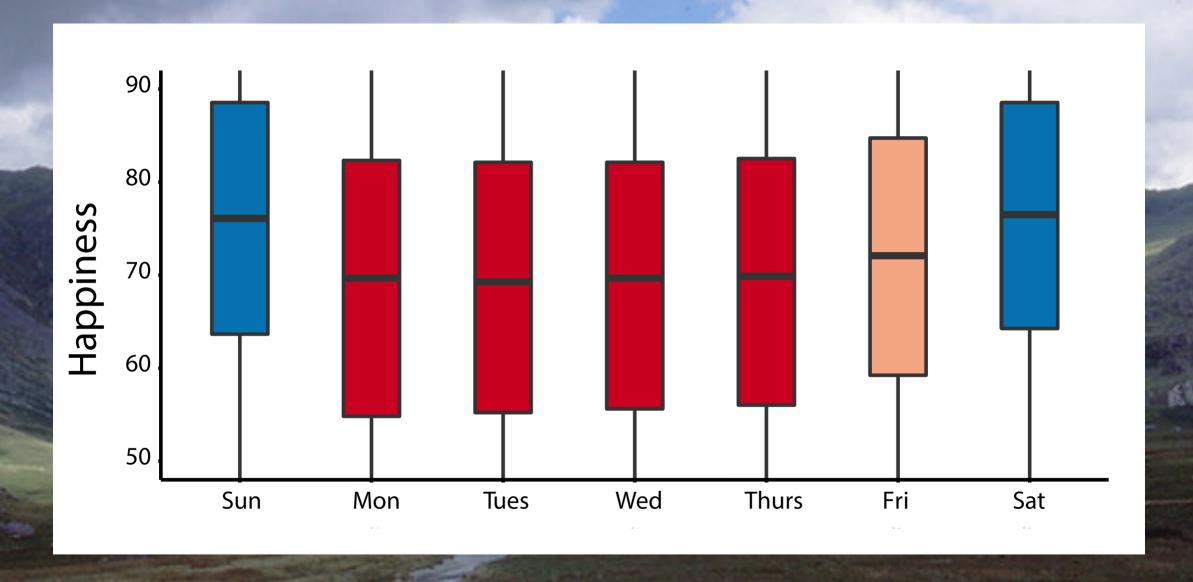




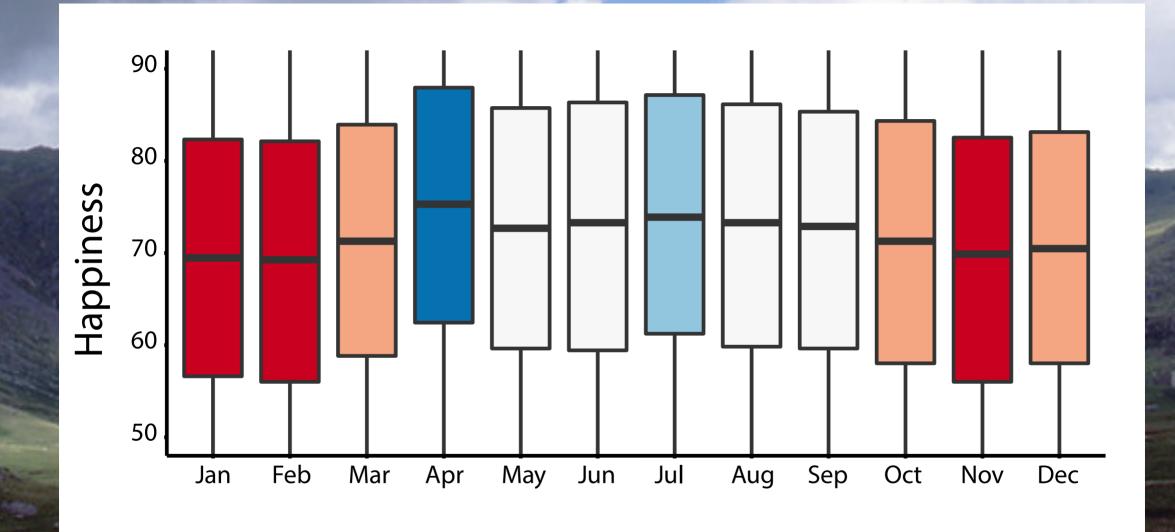




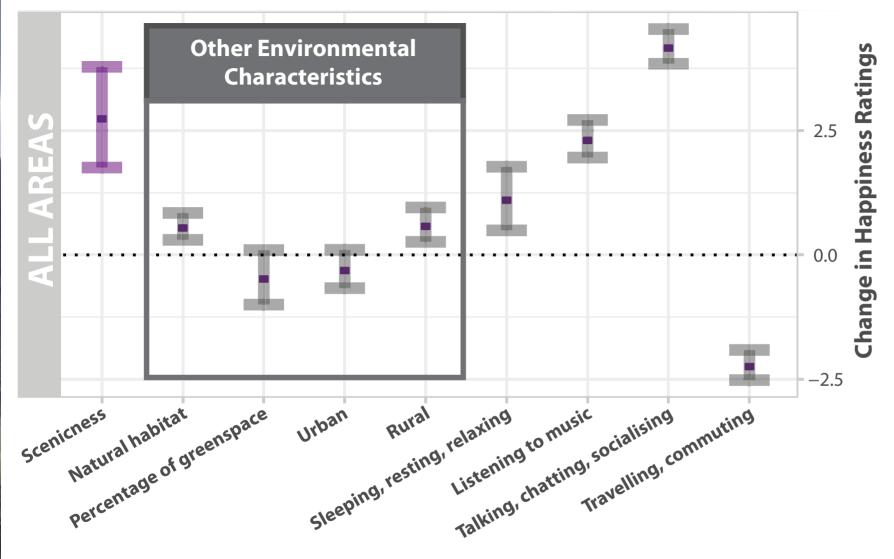


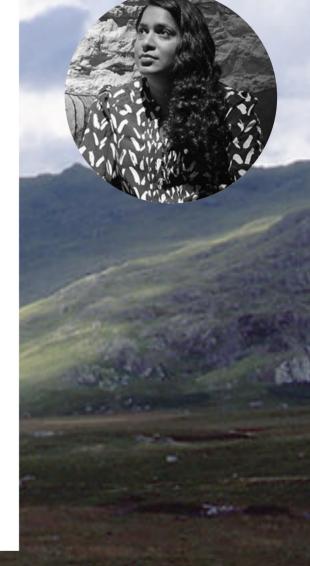


Seresinhe, Preis, MacKerron & Moat (under review)



Seresinhe, Preis, MacKerron & Moat (under review)





Seresinhe, Preis, MacKerron & Moat (under review)





Places365 *0.293* Valley

Categories 0.203 Lake Natural

0.128 Mountain

SUN Scene 0.856 Natural Light Attributes 0.081 Open Area

0.058 Sailing / Boating





Lake natural



Valley





Lake natural

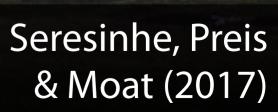


Valley



Industrial area





Lake natural



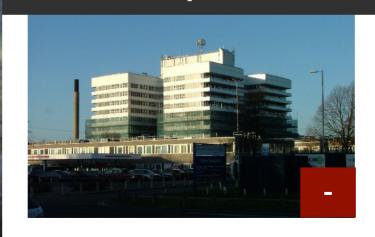
Valley



Industrial area



Hospital





& Moat (2017)



Cottage



Viaduct





Cottage



Viaduct



Trees





Seresinhe, Preis & Moat (2017)

Cottage



Viaduct



Trees



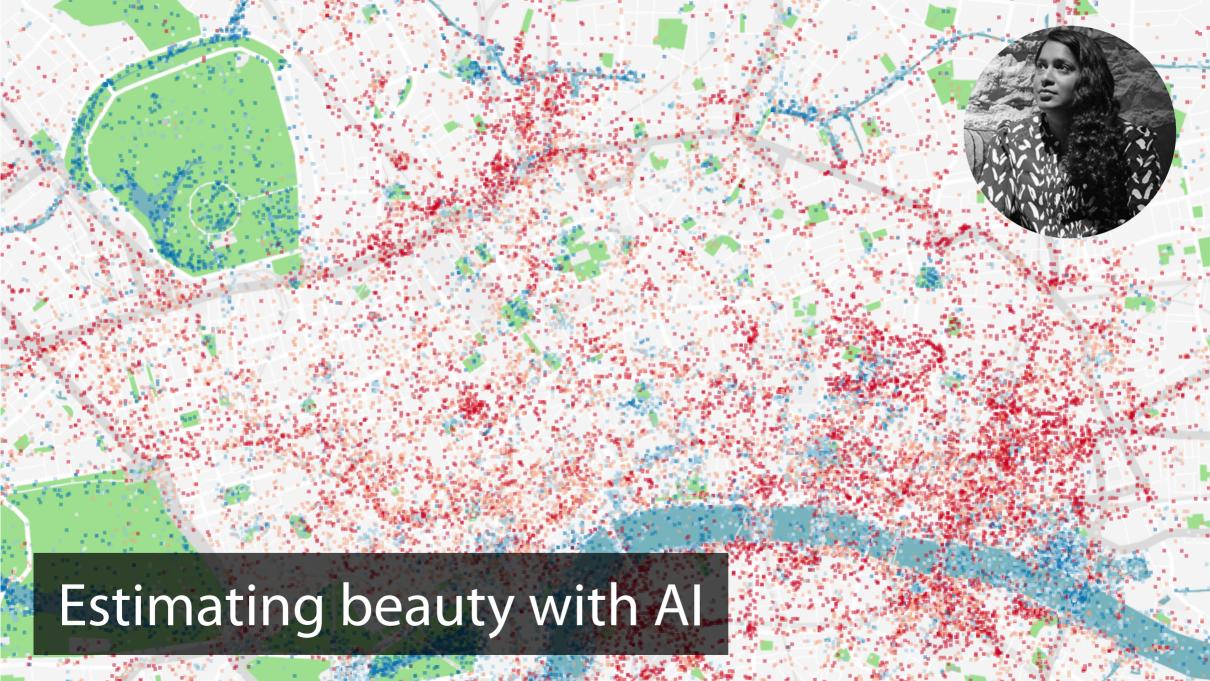
Grass

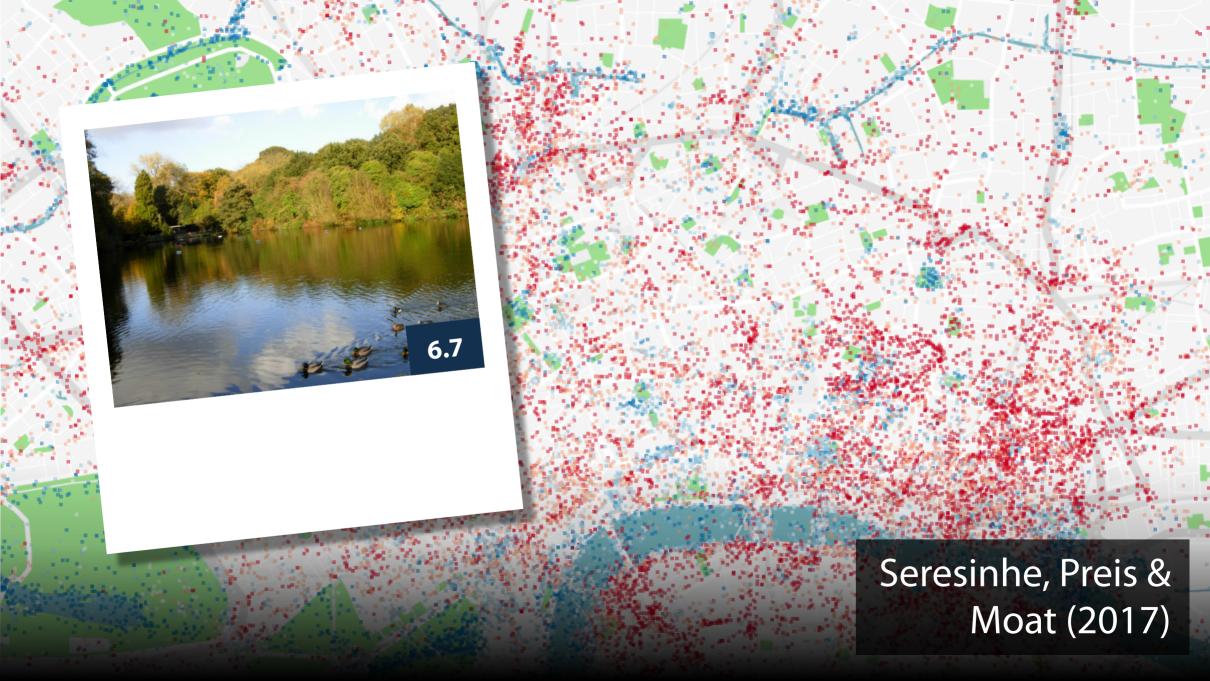


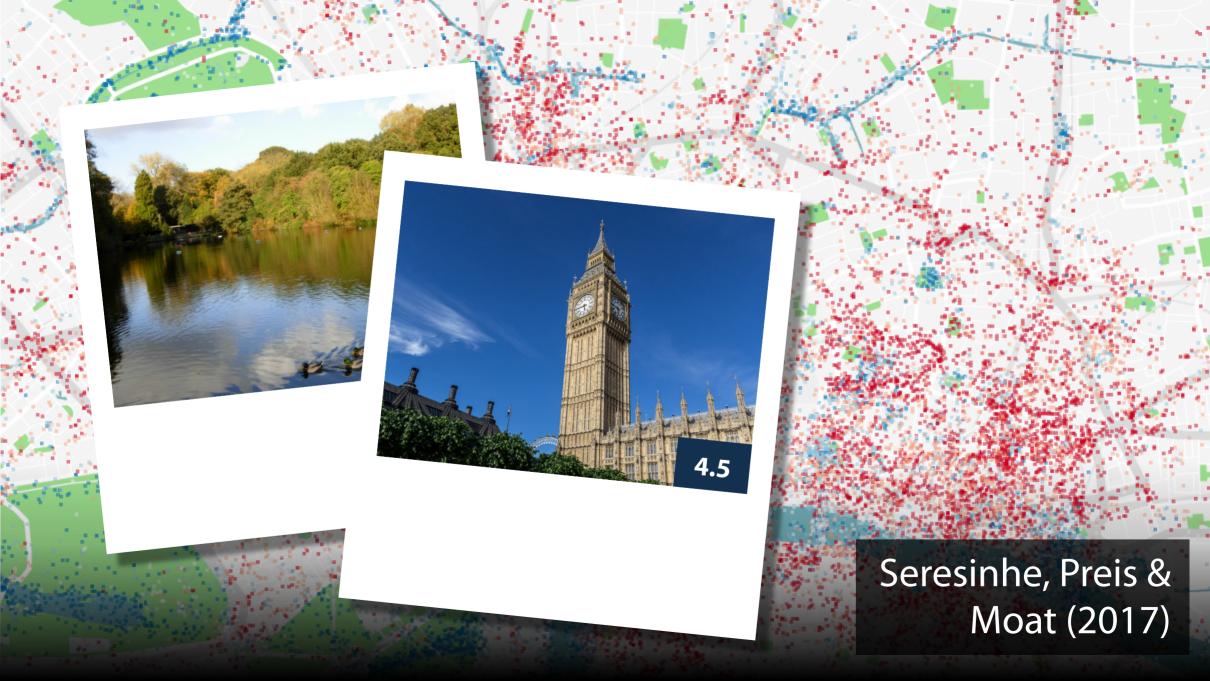


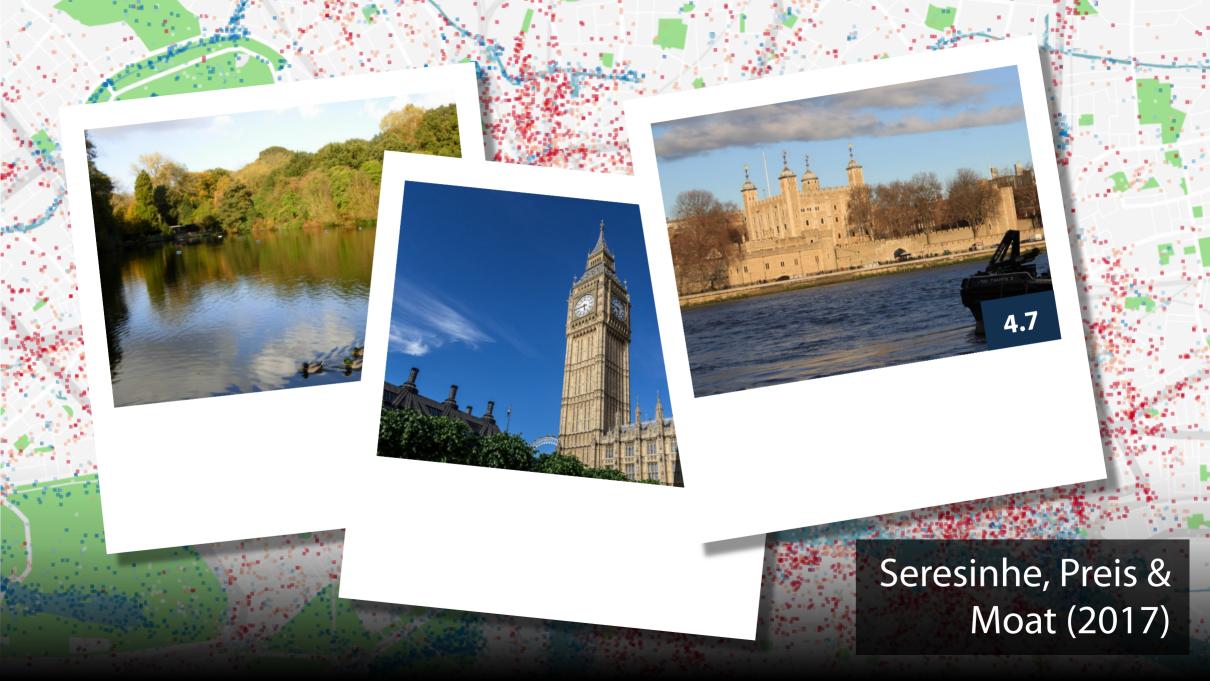
& Moat (2017)



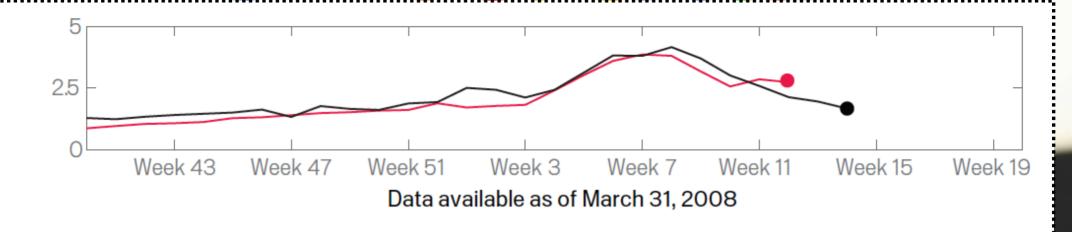


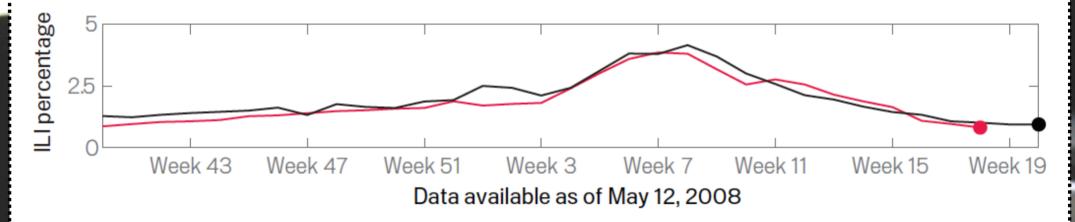












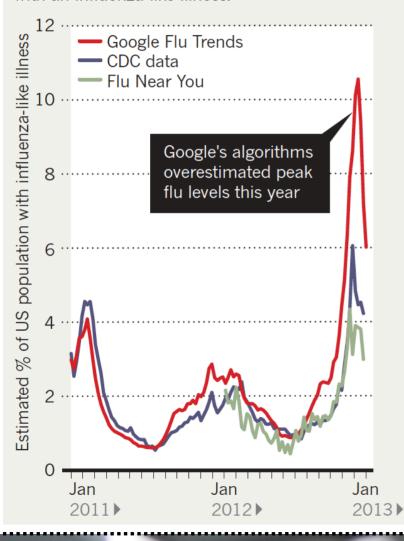
— Flu data

— Google Trends estimate

Ginsberg et al., Nature **368**, 1012 (2009)

FEVER PEAKS

A comparison of three different methods of measuring the proportion of the US population with an influenza-like illness.



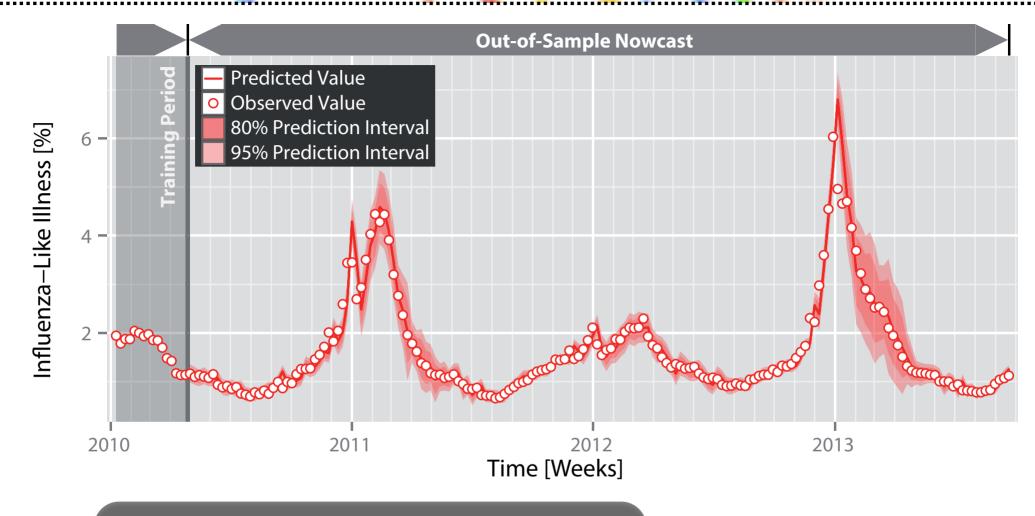
EPIDEMIOLOGY

When Google got flu wrong

US outbreak foxes a leading web-based method for tracking seasonal flu.

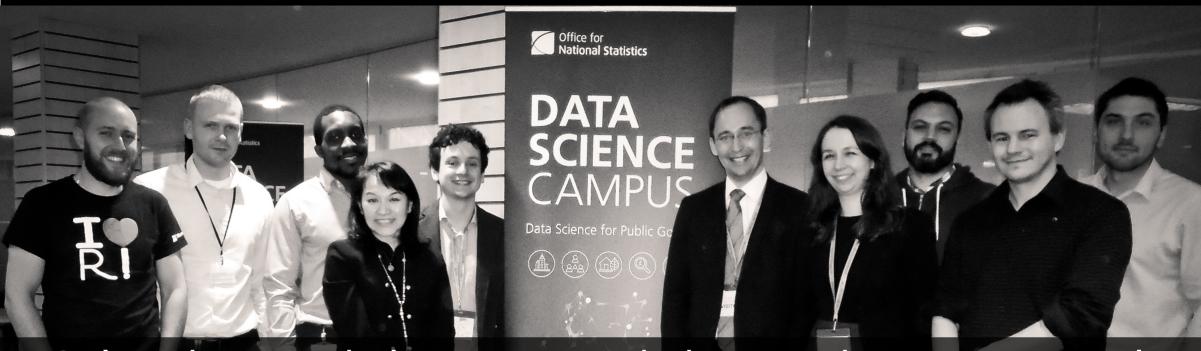
"The press reports may have triggered many flu-related searches by people who were not ill."

Butler, *Nature* **494**, 155 (2013)



Flu estimate errors reduced by between 16% and 53%.

Preis & Moat (2014)



Online data may help us measure behaviour that was previously expensive, time-consuming or impossible to capture





The Alan Turing Institute



Engineering and Physical Sciences Research Council



