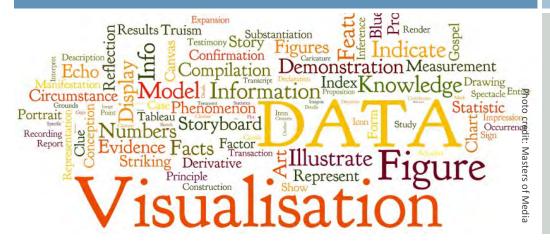
09:30 – 12:30, Friday 17 October 2014



This workshop is coorganized by the Reuters Institute of Journalism, the Department of Politics and International Relations, and the Alliance for Useful Evidence.

MAKING RESEARCH USEFUL VIA VISUALIZATION: THE CURRENT CHALLENGES AND BEST PRACTICES OF POLICY-ORIENTED AND POLITICAL VISUALISATION

What is data visualisation?

'Data Visualisation' refers to the visual representation of statistical and other types of numeric and non-numeric data through the use of pictures and graphics. It is used to transform (often) large quantities of data into images that can more clearly illustrate patterns, gaps, schemes, regularities, and connections.

One of the basic foundations of data visualisation is the understanding that types of graphs should follow from both, the type of data used and the theory/goal in place.

Although graphics are generally associated with bars, lines, and numbers, data visualisation can take many forms. Calendars, maps, timelines, mind-maps, and illustration diagrams are just a few types of graphics that we may use on a daily basis.

Among static graphs for statistical display, we consider the most common types to be: bar charts, histograms, line graphs, and, pie charts.

Technological developments and the rise of online media as a popular form of information distribution have also led to an increase in the use of interactive graphics as a form of data presentation, which are generally based on one (or more) of the graphic forms described above, but allow for reader interactivity (e.g., show change of variable values overtime).

Finally, infographics are a static form of data presentation, which generally uses more than one type of graphic, as well as illustrations, to tell an encompassing story about a given topic.

USEFUL BIBLIOGRAPHY

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Steele, Julie, and Noah Illinsky, eds. 2010. *Beautiful Visualization*, Sebastopol, CA: O'Reilly.

RELEVANT ACADEMIC BLOGS

The Functional Art - http://www.thefunctionalart.com

Visualising Data - http://visualisingdata.com/

EagerEyes - http://eagereyes.org

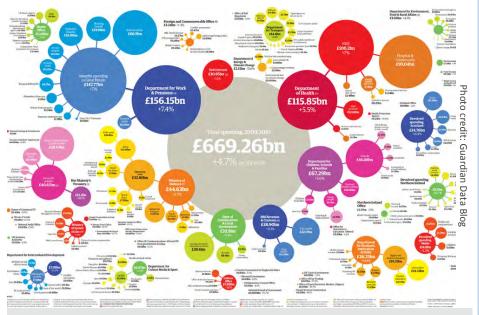
Flowing Data - http://flowingdata.com/

Storytelling with Data - http://www.storytellingwithdata.com/

Michael Babwahsingh - http://michaelbabwahsingh.com/

Perceptual Edge - http://www.perceptualedge.com/blog/

Telling Information - http://lulupinney.co.uk



DATA VISUALIZATION IN MEDIA

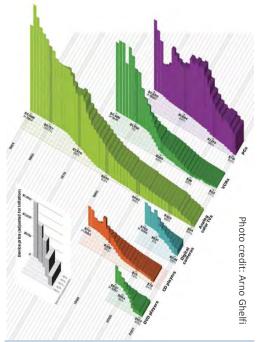
Guardian - http://www.theguardian.com/news/datablog

The Telegraph – https://www.telegraph.co.uk/news/data/

BBC - http://data-art.net

New York Times - https://twitter.com/nytgraphics

Washington Post - http://postgraphics.tumblr.com



AT OXFORD

"Things to do with Data" lunchtime series. Wednesdays at 12:30, from weeks 2 to 7 at IT Services.

http://blogs.it.ox.ac.uk/acit-rsteam/advice/rdmcourses/datatalks

Oxford Information Geographies

http://geography.oii.ox.ac.uk/

FREE TOOLS

R (coding required) - http://www.r-project.org/

Gap Minder - http://www.gapminder.org/

Visualize Free - http://visualizefree.com/index.jsp

Gephi - https://gephi.org/

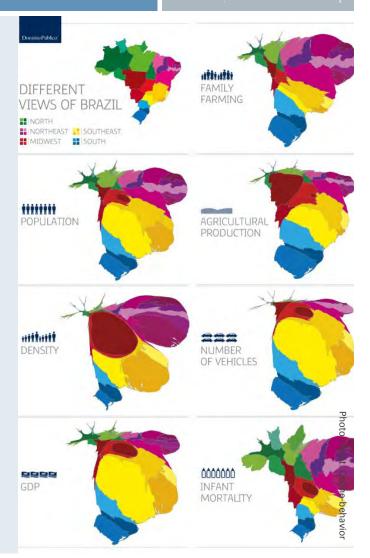
Easel.ly - http://easel.ly

Venngage - https://venngage.com/

Modest Maps - http://modestmaps.com/

Instant Atlas - http://www.instantatlas.com/

Dipity - http://www.dipity.com/



PAID TOOLS

STATA (coding required) - http://www.stata.com/

SPSS - https://www.ibm.com/analytics/spss-statistics-software

Matlab (coding required) - https://www.mathworks.com/products/matlab.html

NVivo - https://www.qsrinternational.com/nvivo-qualitative-data-analysis-software/home

ZingChart - http://www.zingchart.com/

iChart - http://www.icharts.net/

Piktochart - http://piktochart.com/

Digital Reasoning - https://digitalreasoning.com/technology/