Connection of curation and metrics in telling the stories of unique data sets: two specific case studies

IASSIST & CARTO 2018, Concordia University, in Montréal, Québec



Dan Valen Product Specialist | Figshare @dnvln



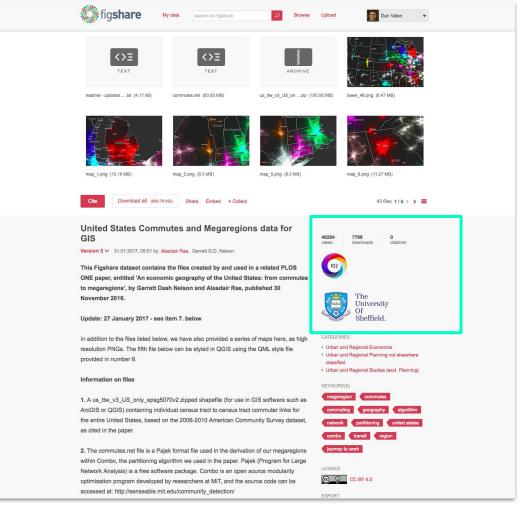
Today's Agenda

- Data sharing and social justice: a tale of two geo-spatial data sets
- Study #1: getting outside the echo chamber: a case study examining the unique impact of sharing supplementary data
- Study #2: the intersection of open data, altmetrics, reproducibility
- Connecting data curation and metrics to societal impact
- Conclusion

Megaregions Data for GIS

This Figshare dataset contains the files created by and used in a related PLOS ONE paper, entitled 'An economic geography of the United States: from commutes to megaregions', by Garrett Dash Nelson and Alasdair Rae, published 30 November 2016.

- PLOS Data Policy
- Sheffield + Figshare
- Alasdair Case Study



The impact of sharing supplementary datasets and speaking outside the echo chamber

Alasdair Rae, The University of Sheffield



- Any additional information you can share is valuable.
- Sharing your data encourages conversations outside the echo chamber.
- Sharing data now can save time:
 no need to field requests



Compliance, altruism, and reuse

Information associated with 'United States Commutes and Megaregions data for GIS' project on Figshare

THIS README FILE WAS LAST UPDATED ON 20 DECEMBER 2016, BY ALASDAIR RAE

This Figshare dataset contains the files used in a related PLOS ONE paper, entitled 'An economic geography of the United States: from commutes to megaregions', by Garrett Dash Nelson and Alasdair Rae, published 30 November 2016. Link: http://dx.doi.org/10.1371/journal.pone.0166083

If you are looking to replicate the maps with the glowing lines and the dark background, please see 5 and 6, below.

Compliance (from PLOS, Sheffield, and the UK):

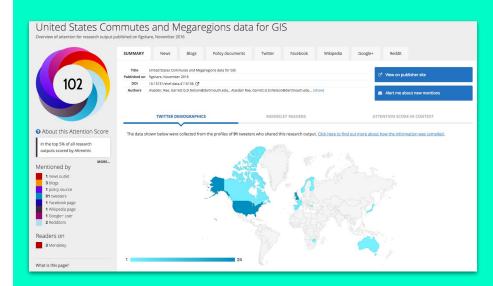
Data Availability: The data are available at the following Figshare link: https://doi.org/10.15131/shef.data.4110156. Link to all Figs in high resolution: https://www.dropbox.com/sh/tmqry68m80tg8dz/AAAZBaEJxYWcZniBeZnlbWMLa?dl=0.

Altruism (from Alasdair):

"In the social science world,
we don't often think of replicability
and the process of replication.
But it's good to make sure your
data is seen and used."

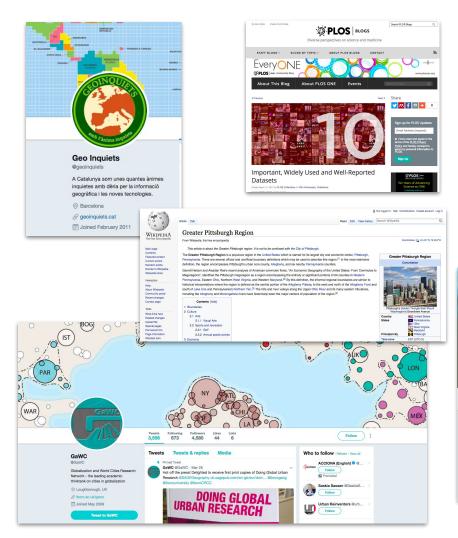
Using Altmetrics to Uncover and Analyze GIS Data audiences and communication pathways

- Global and local reach
- Unique audiences = unique impact
- Both "public" and scholarly attention
- Rich info around engagement despite no citation data











@ aims.fao.org

Joined August 2010

Seen by an upward bound of nearly 200k Twitter followers

Stamen Design @stamen

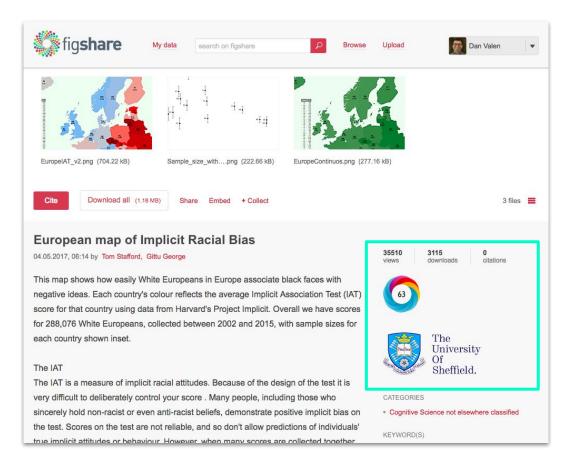
Lyzi Diamond @lyzidiamond

5,335

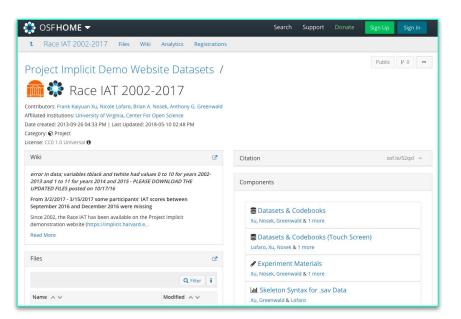
- Targeted attention from community groups, election
- Evidence of information extending beyond academia

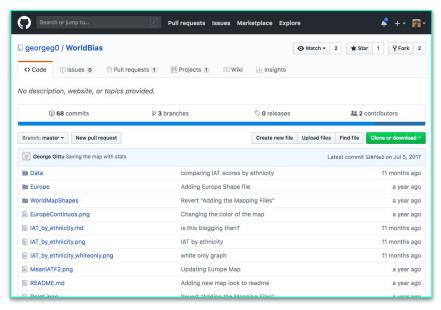
European map of Implicit Racial Bias

This map shows how easily White Europeans in Europe associate black faces with negative ideas. Each country's colour reflects the average Implicit Association Test (IAT) score for that country using data from Harvard's Project Implicit.



Project Implicit, reproducibility, and data availability

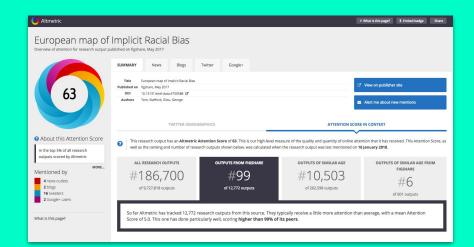




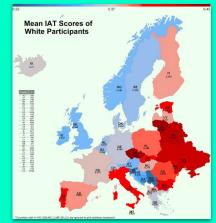
The data is controversial... but it's also built on earlier studies posted at the OSF/Harvard (raw data), code on Github, data visualizations on Figshare, article at? Oh, there is no article:)

Connecting data to those on the ground

- How can academia reach the broader public? Activists?
- How can altmetrics inform communication and outreach efforts?
- How do we define/address "misuse" or distortions?



















- 88% of Twitter shares from "members of the public."
- Interesting global and non-English attention reformers/activists
- Impact of mainstream news attention and institutional blogging?

Conclusions (and questions):
Recognizing value of datasets
in scholarly communication as
indicated through Altmetric
attention



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