

The role of data citation in scholarly communication

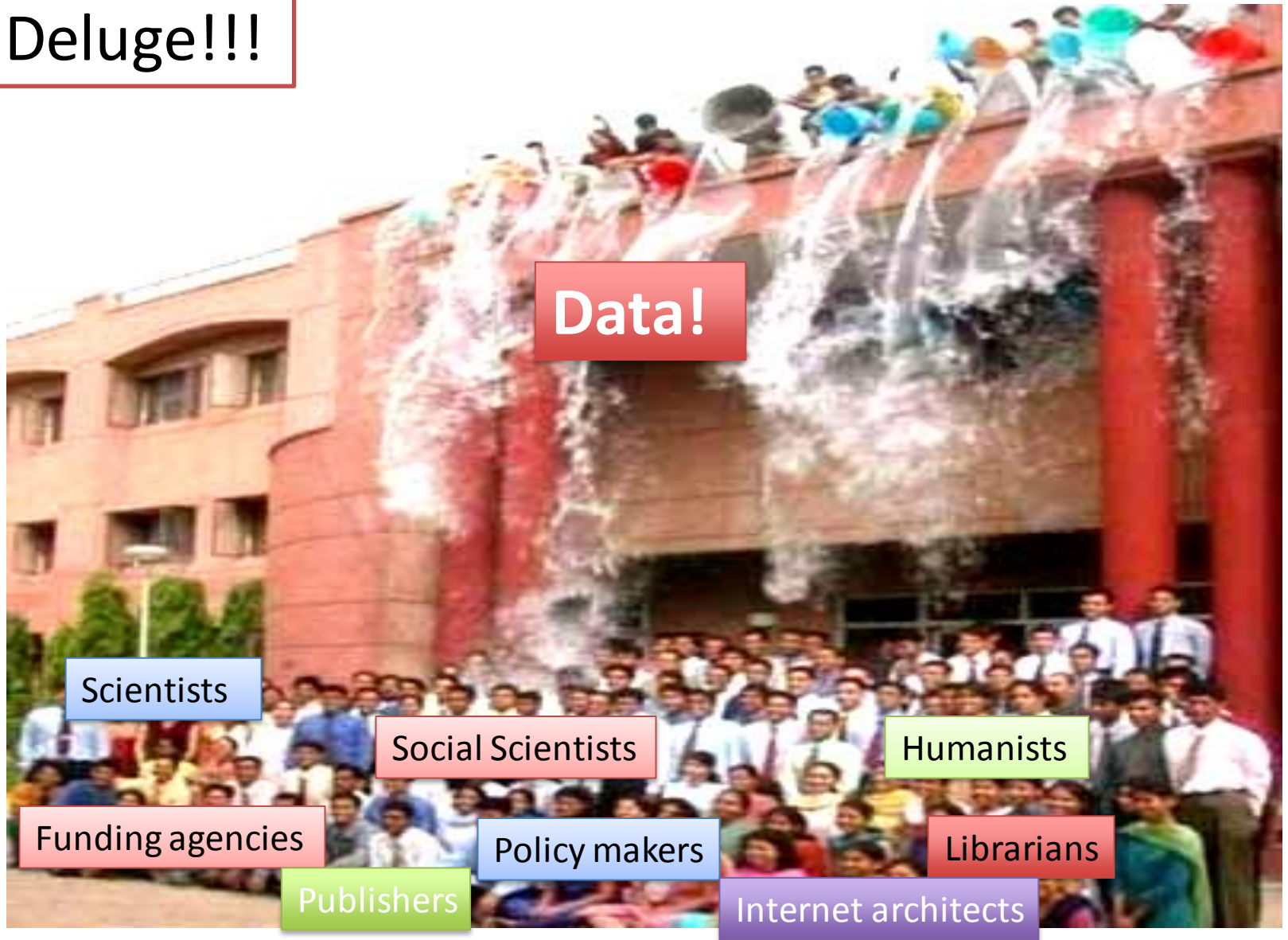
**IDCC14 Workshop: Data Citation Principles:
A Synthesis**
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Deluge!!!



Data!

Scientists

Social Scientists

Humanists

Funding agencies

Policy makers

Librarians

Publishers

Internet architects

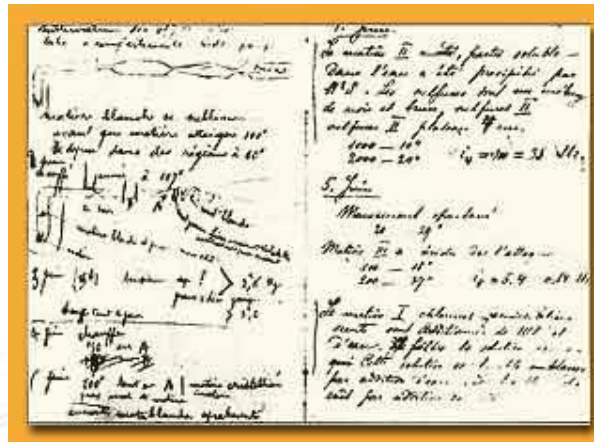
What are data?



NASA Astronomy Picture of the Day

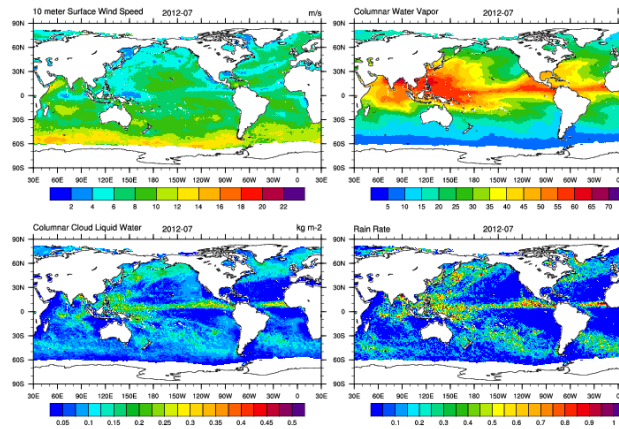


hudsonalpha.org



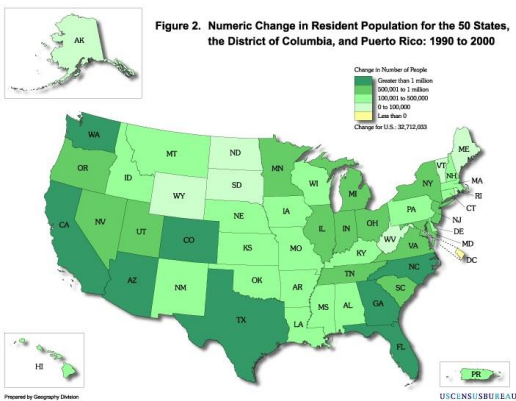
Marie Curie's notebook aip.org

Monthly Mean: f17_ssmis_201207v7.nc



ncl.ucar.edu

Figure 2. Numeric Change in Resident Population for the 50 States, the District of Columbia, and Puerto Rico: 1990 to 2000



<http://www.census.gov/population/cen2000/map02.gif>

Date: 1/2.07.75 Place: Sakaltutan
Zafor

He will grow old in his present house; new house is for sons - 5 sons. Not sure they want to live in village. He will only build another if they want him to. eS came from Germany and did the plastering. He arranged the carpentry in Kayseri. Çok para gitti. (much money went) Has a tractor.

Date: July 1980 Place: Sakaltutan
Zafor:

Household now Zafor and wife; Nazif Unal and wife and youngest son, still a boy. They run two dolmuş; one with a driver from Süleymanlı. Goes in and out once a day. He gets 8,000 a month. Zafor then said, keskin deOil (not sharp - i.e.? not profitable) I said he did very well on 8,000 TL with only two journeys a day. Nazif Unal has "bought" a Durak (dolmuş stop) from Belediye and works all day in Kayseri.

http://onlineqda.hud.ac.uk/Intro_QDA/Examples_of_Qualitative_Data.php



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Data are representations of observations, objects, or other entities used as evidence of phenomena for the purposes of research or scholarship.

Borgman, C.L. *Big Data, Little Data, No Data: Scholarship in the Networked World*, 2014, forthcoming, MIT Press

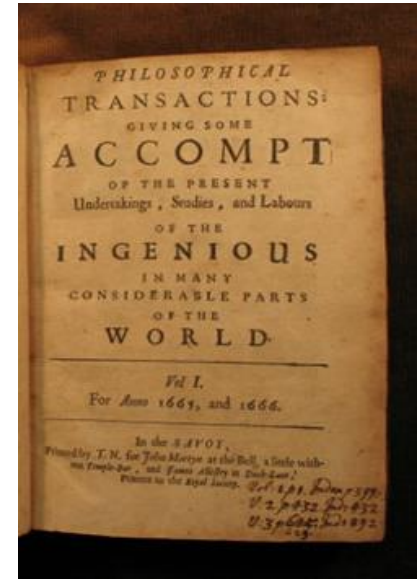
Publications

- If publications are the stars and planets of the scientific universe, data are the ‘dark matter’ – influential but largely unobserved in our mapping process*
- Publications are arguments made by authors, and data are the evidence used to support the arguments.



Authorship and Attribution

- Publications
 - Independent units
 - Interpretable by intended audience
 - Authorship is negotiated
- Data
 - Compound objects
 - Interpretable only in relation to other objects
 - Ownership is rarely clear
 - Attribution
 - Long term responsibility: Investigators
 - Expertise for interpretation: Data collectors and analysts



Scholarly credit

- Publications
- Publications
- Publications
- Publications
- Publications
- Publications
- Awards and honors
- Grants
- Teaching
- Service
- Data



Data citation as solution to...

- Credit
- Attribution
- Discovery

