



BERKELEY INITIATIVE FOR TRANSPARENCY

IN THE SOCIAL SCIENCES

BITSS Update

Christensen

Introduction

Version Control

Conclusion

BITSS Update

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Berkeley Initiative for Transparency in the Social Sciences
Berkeley Institute for Data Science

CEGA Staff, October 2016
Slides available online at

<http://www.github.com/BITSS/projectupdate>



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2 Conclusion



BERKELEY INITIATIVE FOR TRANSPARENCY
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Registration

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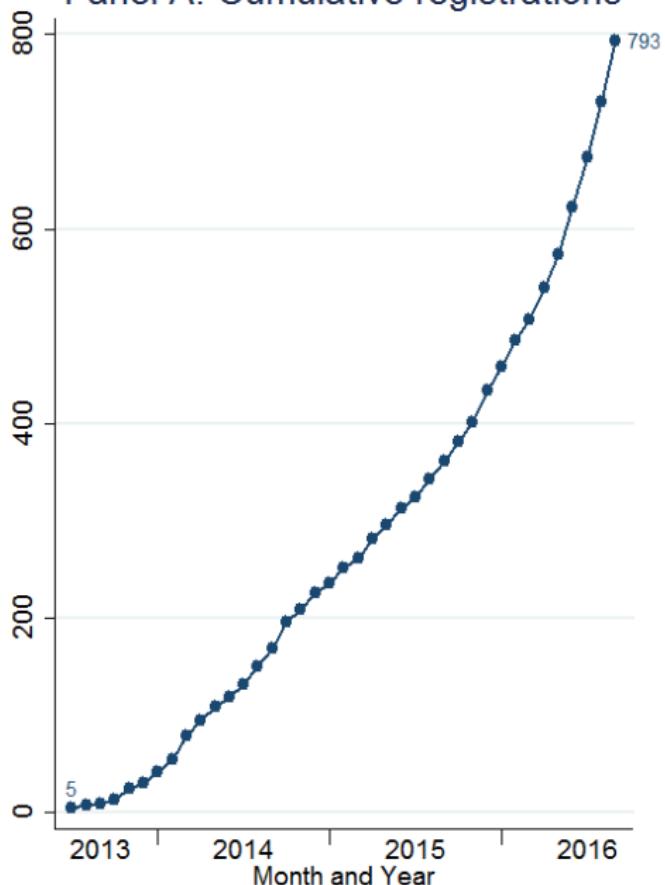
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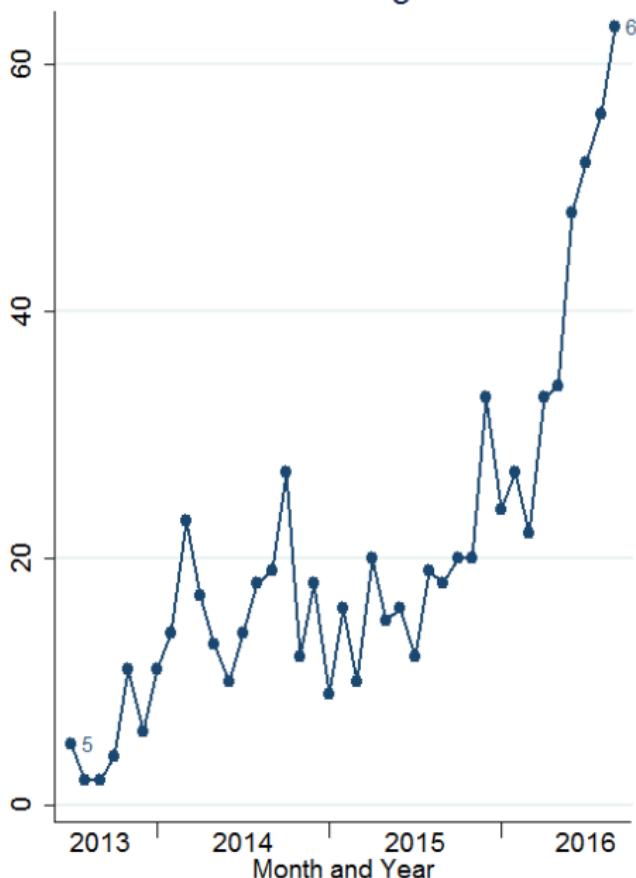
Newer to social sciences, but:

- AEA registry, currently only for RCTs.
<http://socialscienceregistry.org>
- EGAP registry
<http://egap.org/design-registration>
- 3ie registry, for developing country evaluations.
<http://ridie.3ieimpact.org>
- Open Science Framework
<http://osf.io>
 - Open format
 - Will soon sync with above
- Simple: <http://aspredicted.org>

Panel A: Cumulative registrations



Panel B: New registrations





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Design-Based Publication

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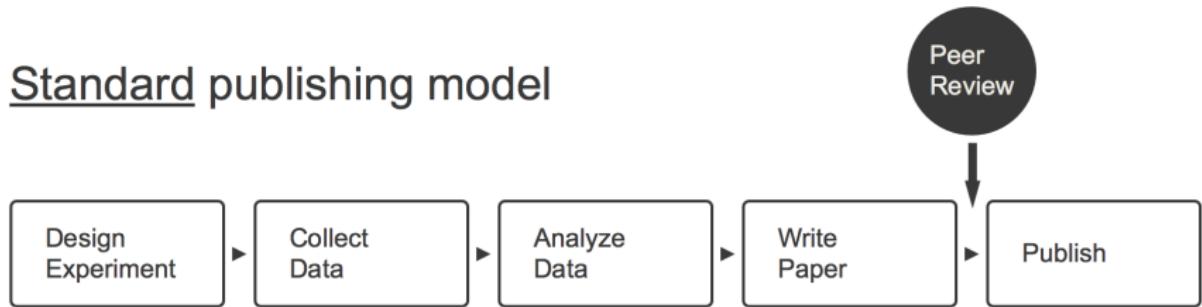
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AKA Registered Reports, moves peer review before data gathering, results, and analysis.

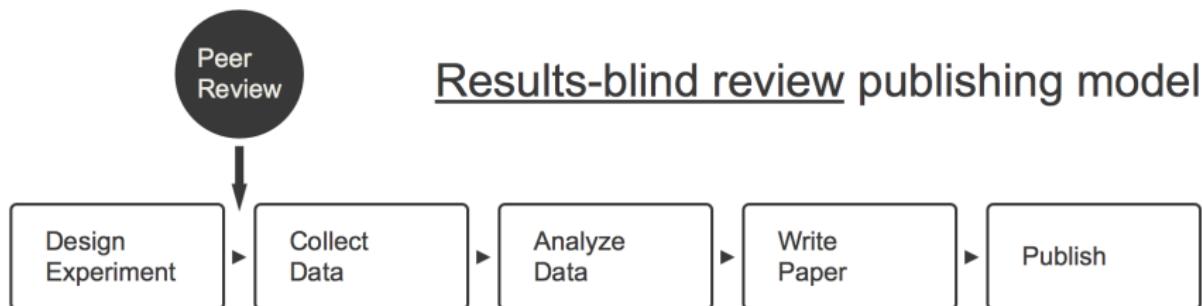
- 1 Design a project
- 2 Submit
- 3 Reviewed based on importance of question and quality of design
- 4 Get in-principle acceptance
- 5 Follow through, and nulls get published

20 Journals, 5 more with Special Issues [▶ Link](#)

Standard publishing model



Results-blind review publishing model





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P-Hacking is fun!

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- “Science isn’t Broken” —538 journalism piece with interactive demo [Link](#)
- Train your p-hacking skills R/Shiny App. [Link](#)
- An Exact Fishy Test [Link](#)



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Promoting an open research culture



B. A. Nosek*, G. Alter, G. C. Banks, D. Borsboom, S. D. Bowman, S. J. Breckler, S. Buck, C. D. Chambers, G. Chin, G. Christensen, M. Contestabile, A. Dafoe, E. Eich, J. Freese, R. Glennerster, D. Goroff, D. P. Green, B. Hesse, M. Humphreys, J. Ishiyama, D. Karlan, A. Kraut, A. Lupia, P. Mabry, T. Madon, N. Malhotra, E. Mayo-Wilson, M. McNutt, E. Miguel, E. Levy Paluck, U. Simonsohn, C. Soderberg, B. A. Spellman, J. Turitto, G. VandenBos, S. Vazire, E. J. Wagenmakers, R. Wilson, T. Yarkoni

+ Author Affiliations

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Version Control

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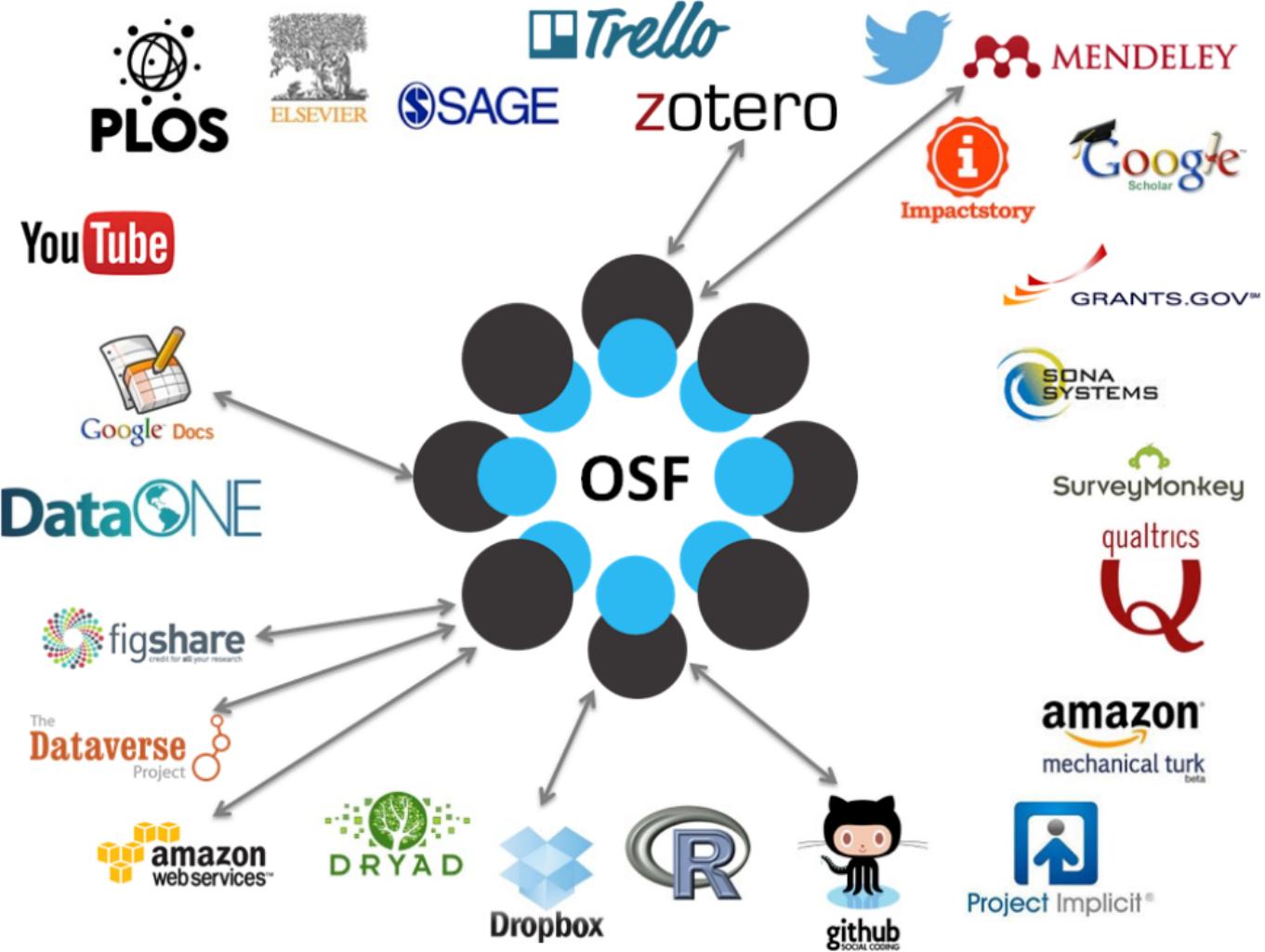
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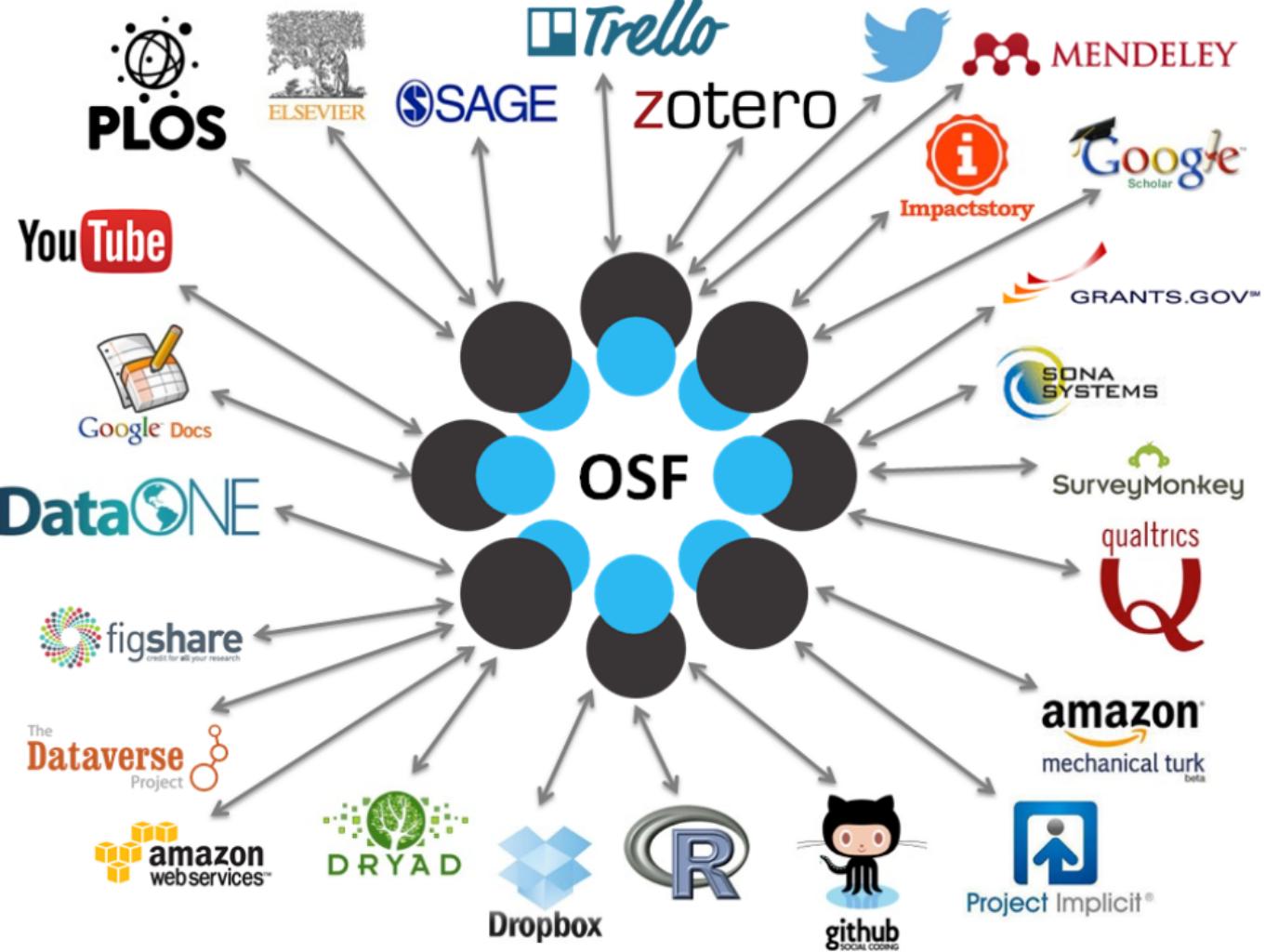
- Using version control (AKA revision control) can help to make your work more reproducible.
- What is version control?

Version control is a system that records changes to a file or set of files over time so that you can recall specific versions later. For the examples in this book you will use software source code as the files being version controlled, though in reality you can do this with nearly any type of file on a computer.

–Git, About Version Control









Dynamic Documents

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Write your code and your paper in the same file so you won't lose information or make copy and paste mistakes.
Possible in R and Stata.

- Include tables by linking to a file, instead of a static image.
- Include number by linking to a value calculated by an analysis file, instead of a static number typed manually.
- Automatically update tables and numbers.
- Produce entire paper with one or two clicks.

The logo for Jupyter consists of the word "jupyter" in a bold, black, sans-serif font, centered within a white circle. The circle is partially overlaid by two thick, orange, curved bands that intersect at the bottom. Small dark gray circles are positioned at the intersections of these curves.

jupyter





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OK, I'm convinced. How do I implement this in my own research?

- Read the manual I wrote. [▶ Link](#)
- Subscribe to the BITSS blog & E-mail list [▶ Link](#)
- Apply for our NIH Summer Institute. [▶ Link](#)
- Apply for our SSMART Grants (extra funding for developing country researchers). [▶ Link](#)
- Apply for our Leamer-Rosenthal Prizes. [▶ Link](#)
- Free stats consulting from COS. [▶ Link](#)

Summer Institute

[BITSS Update](#)

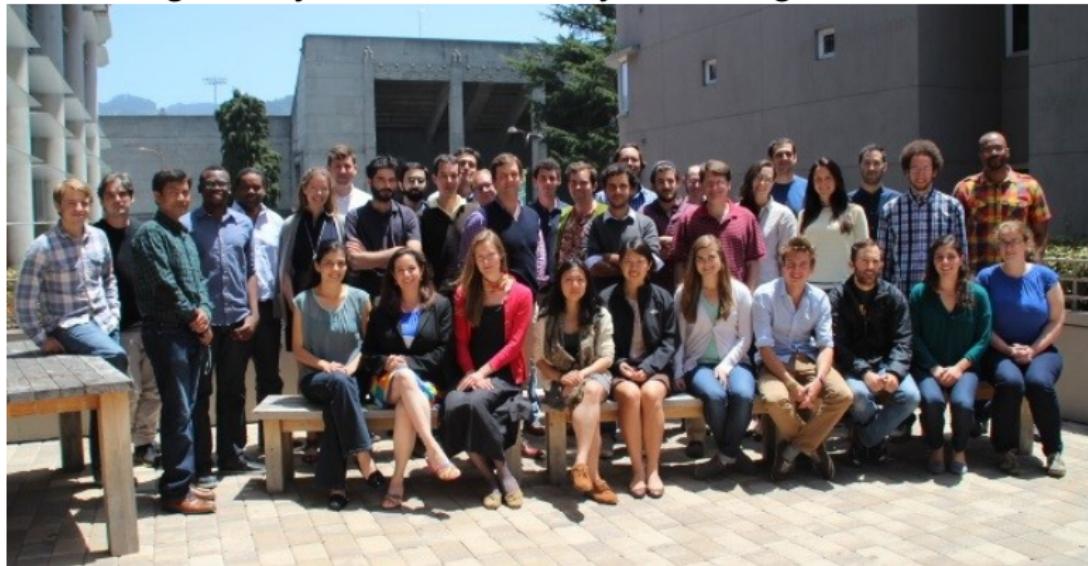
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Three days of training in June at UC Berkeley, or two days of training in July at the University of Michigan.



SSMART Grant

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Up to \$30,000 grant for a research project on:

- Develop new methodology
- New tools and approaches for meta-analysis
- Research on researchers and adoption of new norms

Extra funding source for researchers from developing countries.



Leamer-Rosenthal Prizes

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Up to \$10,000 prize for completed transparent research in the social sciences, especially:

- Economics
- Political Science
- Psychology



Edward Leamer



Robert Rosenthal



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Questions?

Thank you!