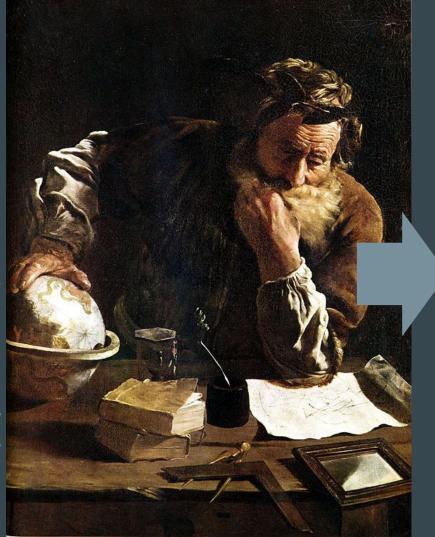




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Observation of Gravitational Waves from a Binary Black Hole Merger

PRL	116, 061102 (2016)	PHYSICAL	REVIEW	LETTERS	week ending 12 FEBRUARY 2016
[112]	C. Kim, V. Kalogera, and D. 985 (2003).	R. Lorimer, Astrophys. J. 5		LIGO Open Scien events/GW150914	, https://losc.ligo.org/
[113]	W. M. Farr, J. R. Gair, I. Mar D 91, 023005 (2015).	ndel, and C. Cutler, Phys. R	tev. [117]		ic Collaboration and elativity 19, 1 (2016).

[114] J. Abadie et al., Classical Quantum Gravity 27, 173001 [118] B. Iyer et al., LIGO-India Technical Report No. LIGO-

PHYSICAL REVIEW LETTERS PRL 116, 061102 (2016)

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Laboratoire d'Annecy-le-Vieux de Physique des Particules (LAPP), Université Savoie Mont Blanc, CNRS/IN2P3, F-74941 Annecy-le-Vieux, France Albert-Einstein-Institut, Max-Planck-Institut für Gravitationsnhysik, D-30167 Hannover, Germany Nikhef Science Park 1098 XG Amsterdam Netherlands ¹⁰LIGO, Massachusetts Institute of Technology, Cambridge, Massachusetts 02139, USA

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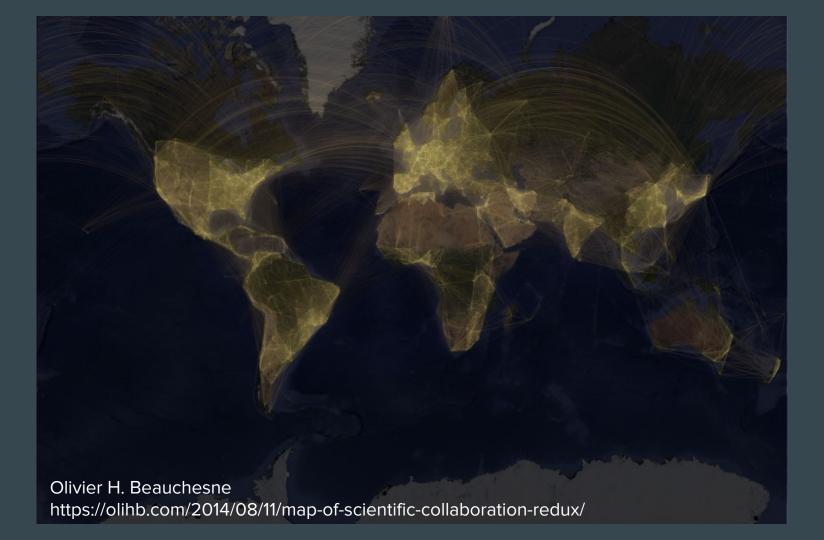
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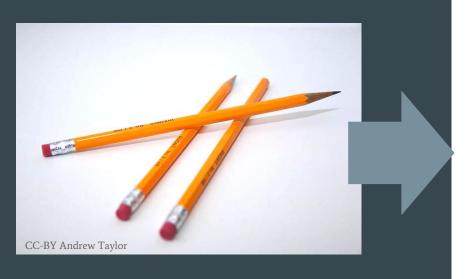
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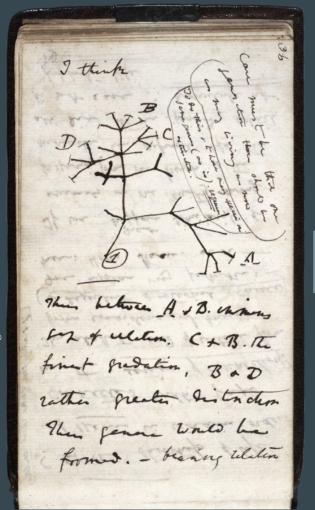


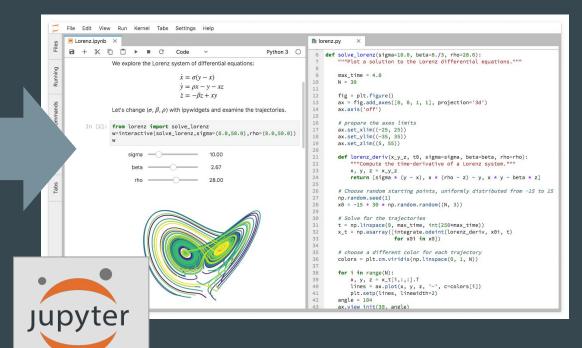




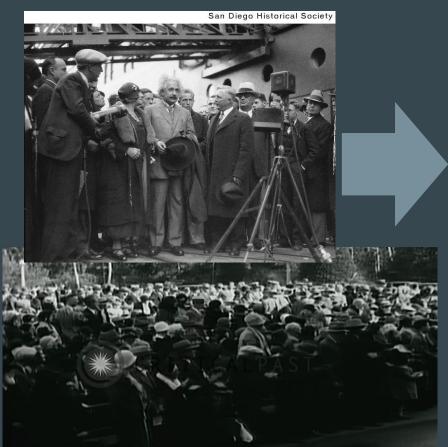


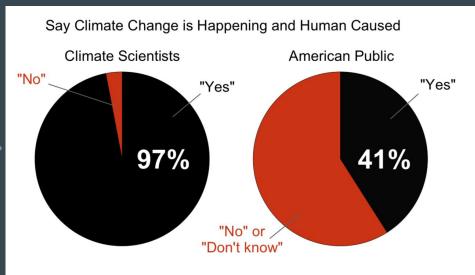




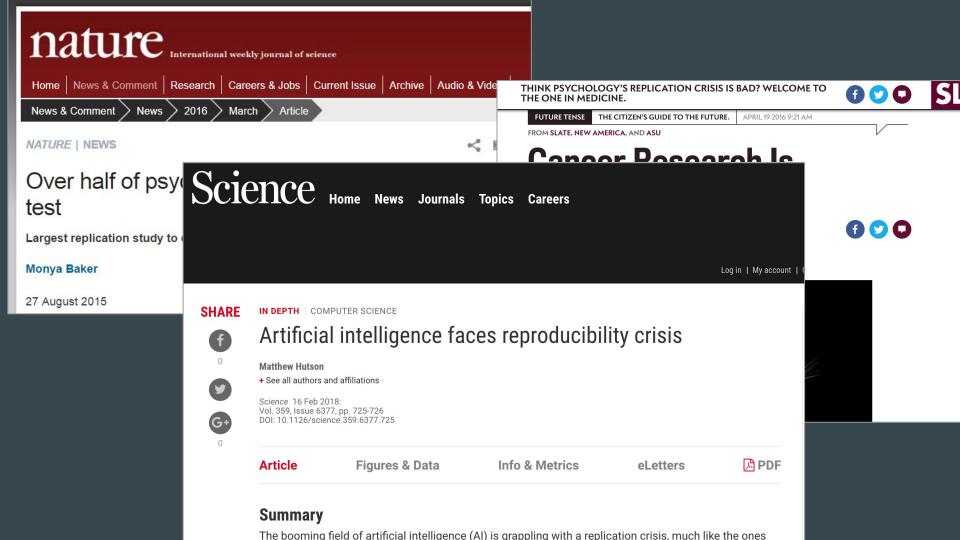


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Yale Project on Climate Change Communication







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...and this affects funding!





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SCIENCE'S "REPRODUCIBILITY CRISIS" IS BEING USED AS POLITICAL AMMUNITION



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Mark Wilson / Get

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By EMILY ATKIN | March 9, 2017

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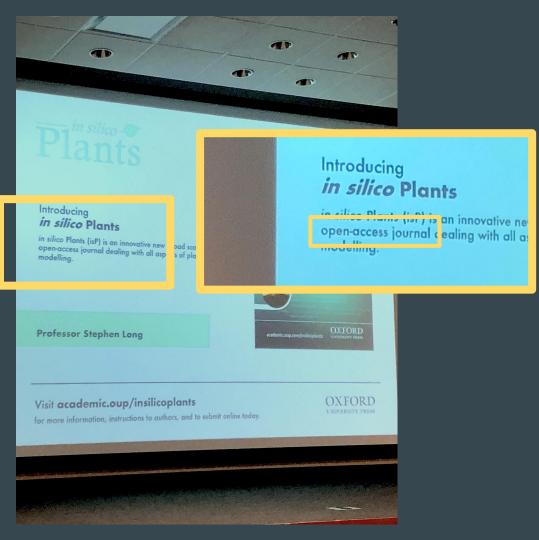
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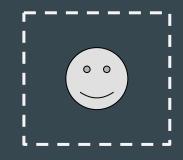
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17 December 2014

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Researcher Data Publication Perceptions

John Ernest Kratz; Carly Strasser

(show affiliations)

Data "publication" seeks to appropriate the prestige of authorship in the peer-reviewed literature to reward researchers who create useful and well-documented datasets. The scholarly communication community has embraced data publication as an incentive to document and share data. But, numerous new and ongoing experiments in implementation have not yet resolved what a data publication should be, when data should be peer-reviewed, or how data peer review should work. While researchers have been surveyed extensively regarding data management and sharing, their perceptions and expectations of data publication are largely unknown. To bring this important yet neglected perspective into the conversation, we surveyed 249 researchers across the sciences and social sciences-- asking what expectations "data publication" raises and what features would be useful to evaluate the trustworthiness, evaluate the impact, and enhance the prestige of a data publication. We found that researcher expectations of data publication center on availability, generally through an open database or repository. Few respondents expected published data to be peer-reviewed, but peer-reviewed data enjoyed much greater trust and prestige. The importance of adequate metadata was acknowledged, in that almost all respondents expected data peer review to include evaluation of the data's documentation. Formal citation in the reference list was affirmed by most respondents as the proper way to credit dataset creators. Citation count was viewed as the



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Keyword(s):

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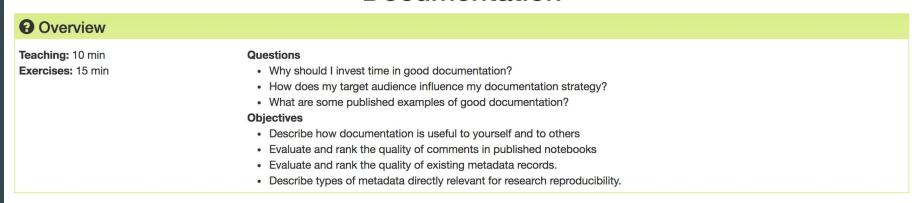
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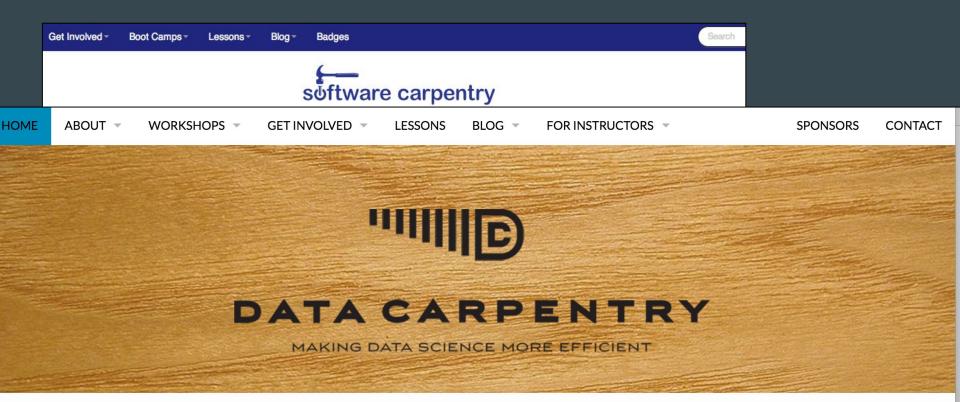
Documenting your process, especially as it concerns your data, is a key element of making your research more reproducible. If you do not thoroughly record all the data manipulation steps you used to process data, it will likely be impossible for you, or anyone else, to repeat the analysis in the future (Wilson et al. 2016). Using the Jupyter Notebook for scripting your data processing is powerful because it saves the code – the **what** – and interspersed it the motivations behind each step, i.e., the **why**.

There is also project-level documentation that isn't needed to understand a particular series of data processing steps, but to understand the organization of the project as a whole. Finally, documentation can be used to aid discoverability.



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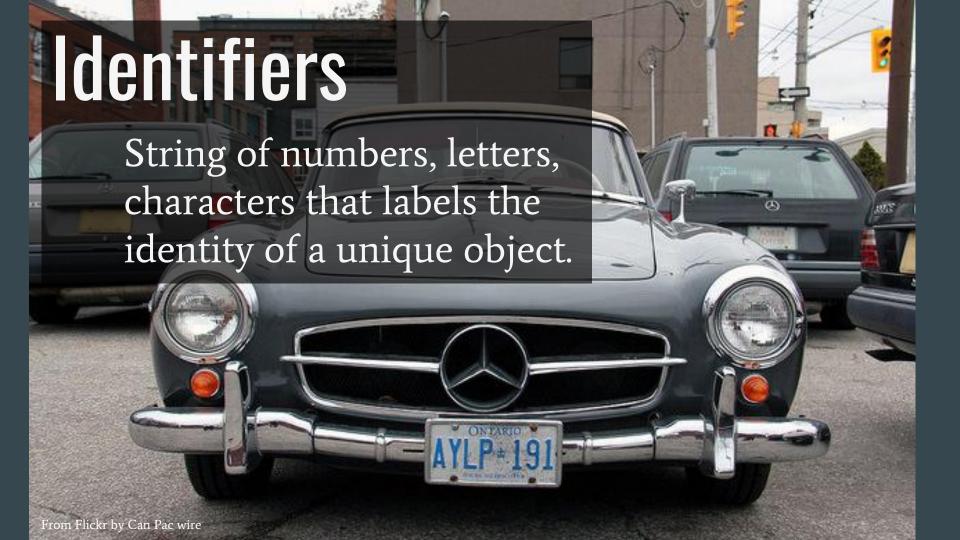


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Identifiers in various disciplines [edit]

A small sample of various identifiers

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Australian Business Number	Australian
CAGE code	U.S. and NATO
CAS registry number	originated in U.S.; today international (via ISV)
Digital Object Ide	
E number	originated in E.U.; may be seen internationally
EC number	
Employer Identification Number (EIN)	U.S.
Global Trade Item Number	international
Group identifier	many scopes, e.g., specific computer systems
International Chemical Identifier	international
International Standard Book Number (ISBN)	ISBN is part of the EAN Namespace; international scop
International Standard Serial Number (ISSN)	international
ISO standard number, e.g., ISO 8601	international
	international U.S., with some international bibliographic usefulness
ISO standard number, e.g., ISO 8601 Library of Congress Control Number Personal identification number	

Identifiers are important for citation!

data
software
genetic code
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Sidlauskas, B. 2007. Data from: Testing for unequal rates of morphological diversification in the absence of a detailed phylogeny: a case study from characiform fishes. Dryad Digital Repository. doi:10.5061/dryad.20

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Researcher Data Publication Perceptions

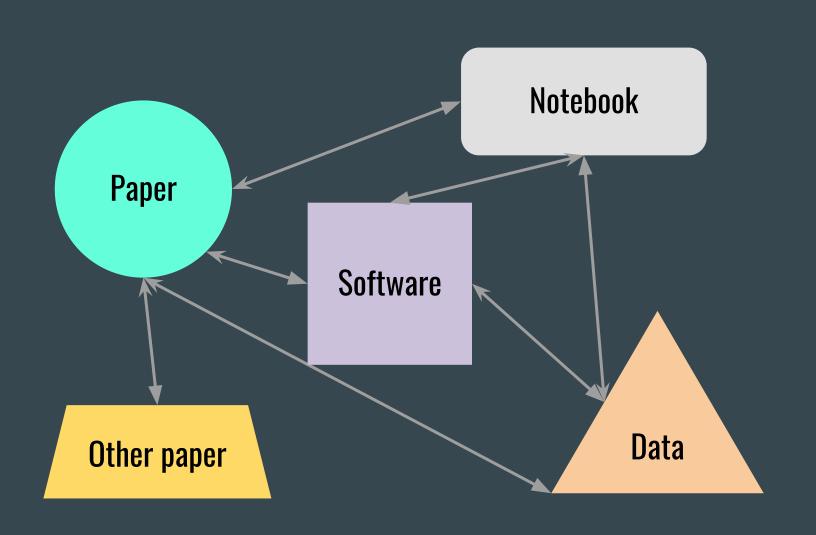
John Ernest Kratz; Carly Strasser

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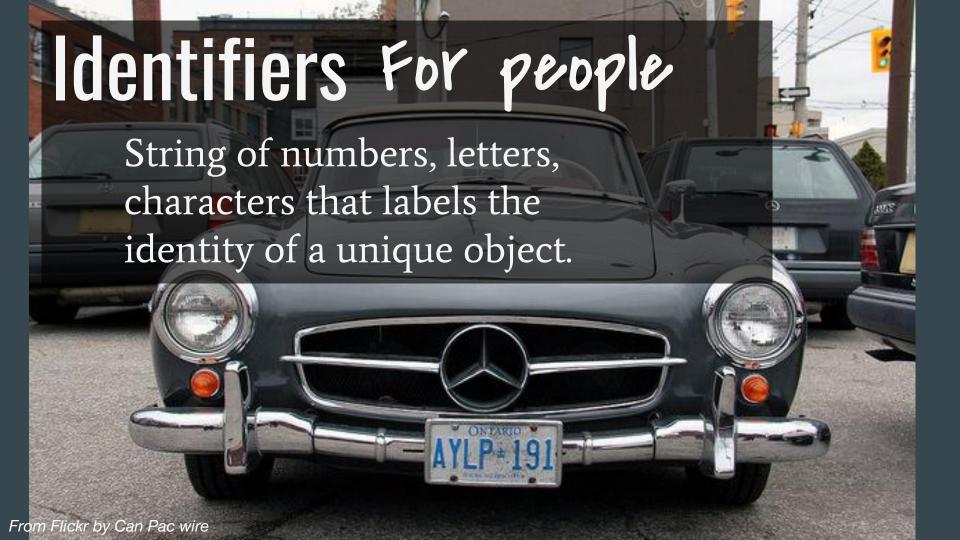








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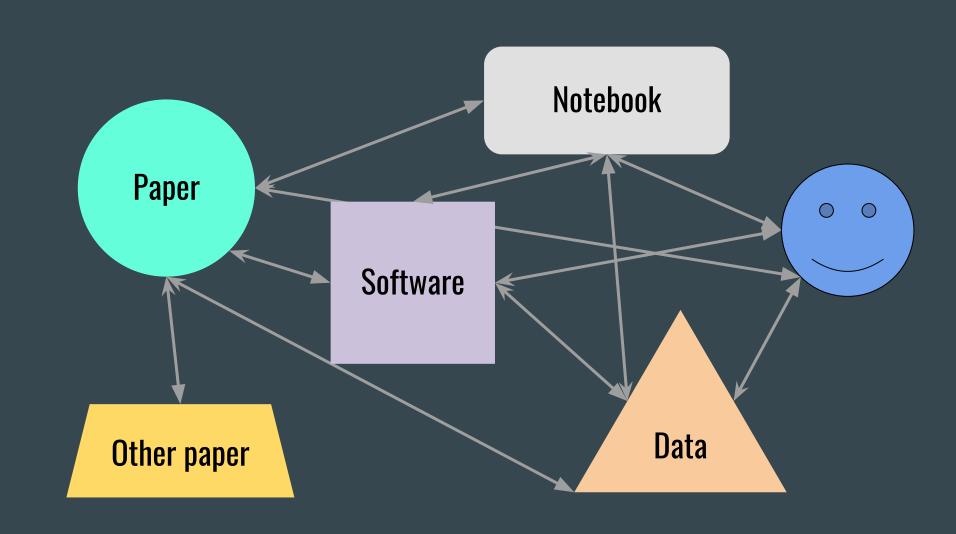
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Carly A. Str	OTHER RESEARCH OUTPUTS	C Strasser and E Khare. 2017. Data . Moore grantee list of articles. Zenodo. doi:10.5281/zenodo.841794. & Moore grantee publication data. Zenodo. doi:10.5281/zenodo.555947.
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