

## INTRO

In spite of the potential generated by recent shifts in the field toward the use of open data formats and tools, a great deal of linguistic research created today is not reproducible, either in principle or in practice. **Much linguistic data is shared without citation, and data sets are not available or accessible even when citations are given.** This project aims to develop data citation and attribution standards for the field of linguistics.

## GOALS

- Create guidelines for citation of linguistic data that are applicable across all sub-disciplines.
- Provide a template for data citation in linguistics with relevant examples.
- Integrate the guidelines and template into publication style sheets.
- Recommend practices for scholars and repositories to make data more easily citable and accessible.

## CURRENT STATUS

- Completed a series of meetings to identify barriers and issues. Created a Data Management Workshop to educate on data practices like citation and identify pain points for scholars.
- Drafted recommendations and opened for comment by community.
- Solicited comments from linguistics journal editors, society committees

## WHAT WE LEARNED

1. It's important to invite different sectors of the community at different stages
2. We identified barriers in our workshops, namely lack of:
  - a. Education about citation
  - b. Standards
  - c. Incentive
3. It's important to make the researchers fully understand why they should engage in this
4. Explain the problem and solution carefully
  - a. Austin Principles
  - b. Our citation guidelines document
  - c. A more in-depth chapter soon to appear in a handbook

## WHAT YOU CAN DO

- Model good data citation practices for your field.
- Send the recommendations to linguists you know.
- Endorse the Austin Principles of Data Citation in Linguistics.

# Writing data citation guidelines for linguistics: Lessons learned

Helene N. Andreassen, UiT The Arctic University of Norway  
Andrea Berez-Kroeker, University of Hawai'i at Manoa  
Lauren B. Collister, University of Pittsburgh  
Philipp Conzett, UiT The Arctic University of Norway  
Christopher Cox, Carleton University  
Koenraad De Smedt, University of Bergen & CLARIN  
Lauren Gawne, La Trobe University  
Bradley McDonnell, University of Hawai'i at Manoa

When developing new guidelines for an audience of researchers: invite the community, identify barriers, explain clearly.

For a copy of this poster and materials:



[bit.ly/LDIGRDA14](https://bit.ly/LDIGRDA14)

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## TIMELINE

### 2013-14

- A survey of data citation practices in 9 linguistics journals over a ten-year period shows that we do not have a culture of citing data in our publications: Berez-Kroeker, Gawne, Kelly & Heston. 2017. *A survey of current reproducibility practices in linguistics journals, 2003-2012.* <https://sites.google.com/a/hawaii.edu/data-citation/survey>

### 2014

- Initial funding secured: US\$137,657 from the US National Science Foundation, *Developing Standards for Data Citation and Attribution for Reproducible Research in Linguistics*

### 2015

- Workshop 1: Boulder, Colorado. 26 international linguists & data scientists identified barriers to better data citation in linguistics.

### 2016

- Workshop 2: Austin, Texas. 34 participants worked with Task Forces to strategize future steps: "Principles & Guidelines" "Citation Formats & Stylesheets" "Attribution for Academic Credit" "Education & Outreach"

### 2017

- Panel and poster session at the Linguistic Society of America Annual Meeting
- Workshop 3: Austin, Texas. 26 participants gathered to draft a position paper on data citation in linguistics.
- Formation of RDA Linguistic Data Interest Group (LDIG)
- RDA Plenary 10 in Montreal: Drafted the Austin Principles of Data Citation in Linguistics
- Additional funding secured from National Science Foundation
- Workshop on writing data management plans at Linguistic Summer Institute

### 2018

- RDA Plenary 11 in Berlin: Group session to discuss citation standards recommended by main stakeholders
- Contracted with MIT Press Open to develop the *MIT Open Handbook of Linguistic Data Management*
- Position paper published: Berez-Kroeker et al. Reproducible research in linguistics: A position statement on data citation and attribution in our field. *Linguistics* 56(1): 1–18. doi.org/10.1515/ling-2017-0032 (Currently the most downloaded article in *Linguistics*).
- Pre-conference workshop on writing Data Management Plans at the Linguistic Society of America Annual Meeting

### 2019

- RDA Plenary 13 in Philadelphia: Group session to draft the Recommendations for Data Citation in Linguistics
- LDIG continues to draft standards, shares with community
- "Data Summer Camp" at the Linguistic Summer Institute
- RDM session at Ecole d'été: Phonologie de corpus (Lausanne)
- RDA Plenary 14 in Helsinki: Poster about work and efforts so far

## NEXT STEPS

- Finalize recommendations & submit as RDA Supporting Output.
- Ask publications & societies to adopt or endorse.
- Education and outreach.