Data Papers in the context of Open
Research, with a focus on the Humanities

Barbara McGillivray

Training webinar Data Notes on Open
Research Europe: maximizing the visibility
& discoverability of research data

25 October 2022

Journal of Open

**Humanities Data** 

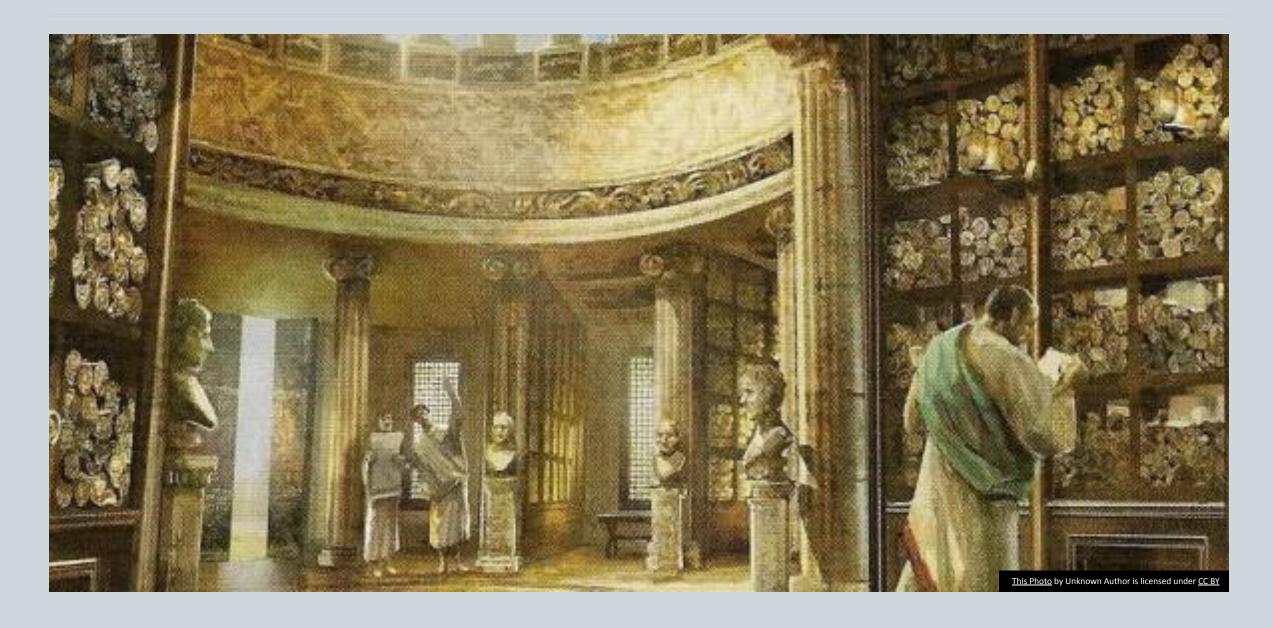
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## **Open Humanities Data**

# Open Humanities Data

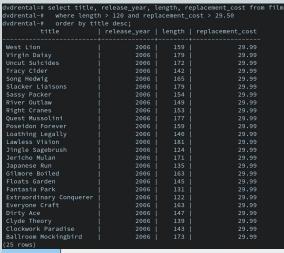
## The humanities have produced and collected data for centuries



### What is different now?



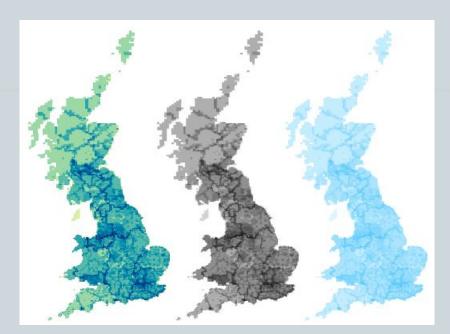
## Many words, many objects, all data

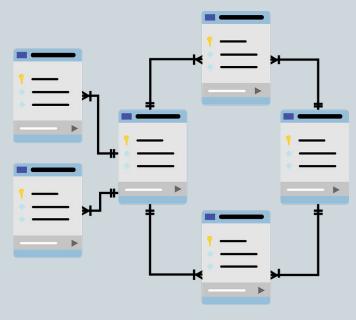




Pa	ge 1 of 825 Go Next   Last
J21	It would be tedious to list the types and colours of stone, ceramic etc. used at each site
J2I	types of stone used for various shades of <b>colour</b> are predictable and limited in number.
J2I	Birdcombe Avon. Here, sandstone furnished a buff colour , pennant stone a blue, liar the white for
J2I	most mosaics comprise three to six basic colours , a work of good quality will include many
J2I	therefore, to note ten or twelve different colours of tesserae in one pavement. In some, such
J2I	the Woodchester Orpheus mosaic.
J2I	1976, 9). Elsewhere, intelligent use of colour is responsible for the blue shading which
J2I	are notable.  Whilst considering the colour of tesserae it is also pertinent to mention
J2I	: 0.5 cm. sq. and 1.5 cm. sq.  Like colour , the size of the tesserae affects the perspective
J2I	fairly dark tesserae (deep red is a favourite colour ), so producing a stronger" proximity effect
J2I	panels (pl. 5b). At Leicester the rosettes - coloured (from the edges inwards) red, yellow and
J21	be cramped (although" loose"). There are colour contrasts however: the simple guilloche
J2I	former. However, the-more subtle use of colour in the latter also produces a less contrived
J2I	angular appearance. An overall poverty of colour, and the use of slightly larger (but still
J2I	mosaic A). Although including the same basic colours , as well as tesserae of a similar size,
J21	blending of many tones of five or six basic colours , is notable in both designs. It is a sensitivity
J2I	shows a generally consistent interlace of colour , one in every four tongues of the latter
J2I	Oceanus panel (contrast the confusion of colour around the heads of the lion and stag)
J2I	However, on balance, the use here of similar colours (red, yellow, grey, pale-blue, brown) and
J2I	Street mosaic, the presence there of a richly coloured figured panel (enclosed by a chain-guilloche

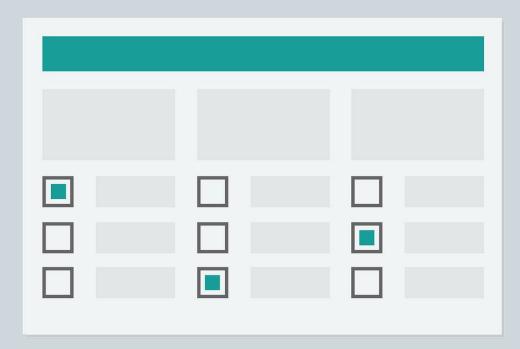






### Many words, many objects, all data









### What's special in humanities data?

- Manual curation
- Subjective/personal/individual interpretation,
   following
   standards/consensus
- Importance of context

## Corpus of the Epigraphy of the Italian Peninsula in the 1<sup>st</sup> Millennium BCE (CEIPoM)

Author: Reuben J. Pitts

### **Abstract**

The Corpus of the Epigraphy of the Italian Peninsula in the 1st Millennium BCE (CEIPoM) is a linguistic database which covers the Oscan, Umbrian, Old Sabellic, Messapic and Venetic languages, as well as epigraphic Latin up to 100 BCE. The database is hosted on GitHub and Zenodo, and provides manually annotated linguistic information on all levels of language structure, ranging from phonology to syntax. In providing a high-resolution digital dataset for language varieties that have until now been largely restricted to printed reference works, this corpus opens up new avenues for research into this unique ancient linguistic area.

Keywords: corpus linguistics, language contact, linguistic area, Italic, epigraphy

**How to Cite:** Pitts, R. J. (2022). Corpus of the Epigraphy of the Italian Peninsula in the 1<sup>st</sup> Millennium BCE (CEIPoM). *Journal of Open Humanities Data*, 8, 1. DOI: http://doi.org/10.5334/johd.65

# [[Open Humanities] Data]

### The Open Definition

Availability and access

The Open Definition sets out principles that define "openness" in relation to data and content.

It makes **precise** the meaning of "open" in the terms "open data" and "open content" and thereby ensures quality and encourages compatibility between different pools of open material.

It can be summed up in the statement that:

Re-use and redistribution

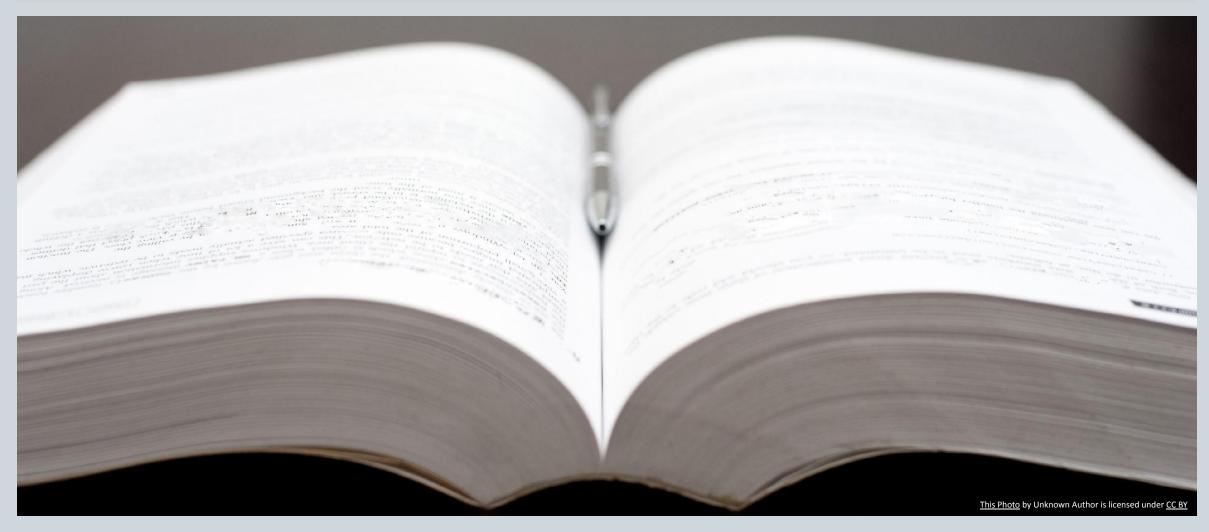
"Open means anyone can freely access, use, modify, and share for any purpose (subject, at most, to requirements that preserve provenance and openness)."

Put most succinctly:

Universal participation

"Open data and content can be freely used, modified, and shared by anyone for any purpose"

### « Extend the principles of openness to the whole research cycle »



https://www.fosteropenscience.eu/content/what-open-science-introduction

### The open research pyramid

Research paper Data paper Data repository Code repository

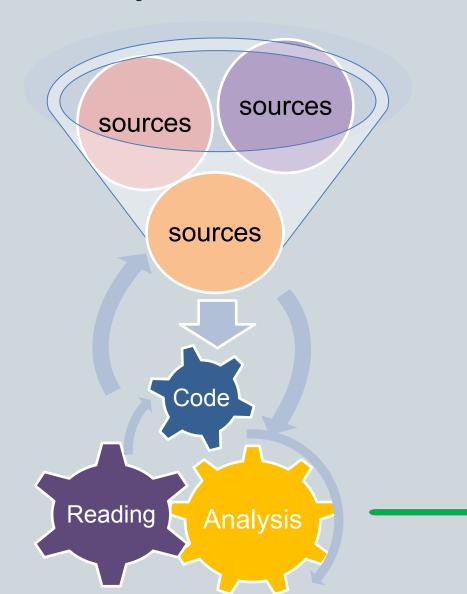
Goal: research is transparent, reproducible and impactful

### **Open Humanities and open science**

"Open science commonly refers to efforts to make the output of publicly funded research more widely accessible in digital format to the scientific community, the business sector, or society more generally."

OECD (2015), "Making Open Science a Reality", *OECD Science, Technology and Industry Policy Papers*, No. 25, OECD Publishing, Paris, https://doi.org/10.1787/5jrs2f963zs1-en.

### The traditional research process



#### Long Titles Look More Impressive **Than Short Ones**

University of Technology, Delft frits@howtoTeX.com

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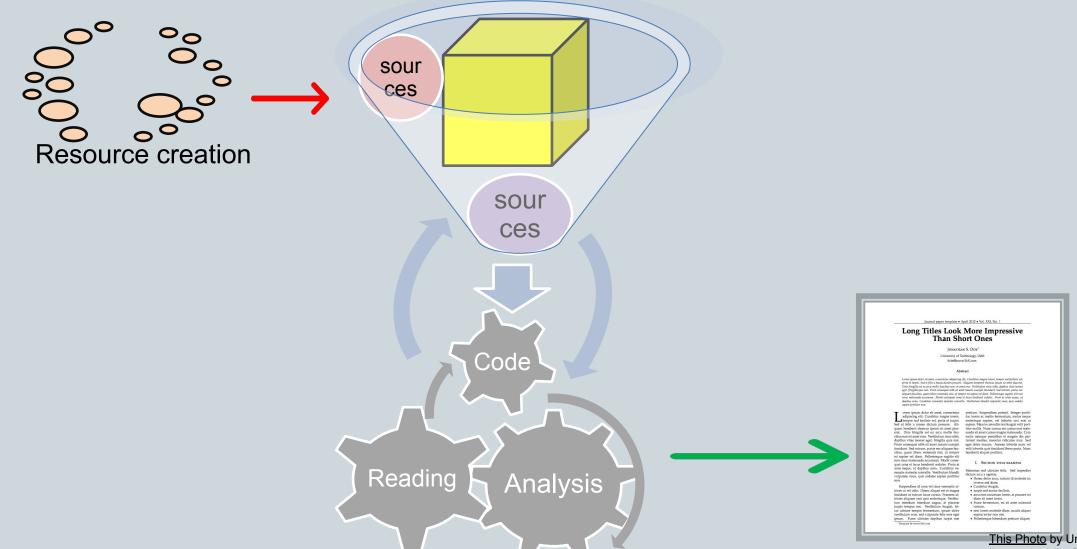
#### I. SECTION TITLE EXAMPLE

Maecenas sed ultricies felis. Sed imperdiet dictum arcu a egestas.

• Donec dolor arcu, rutrum id molestie in,

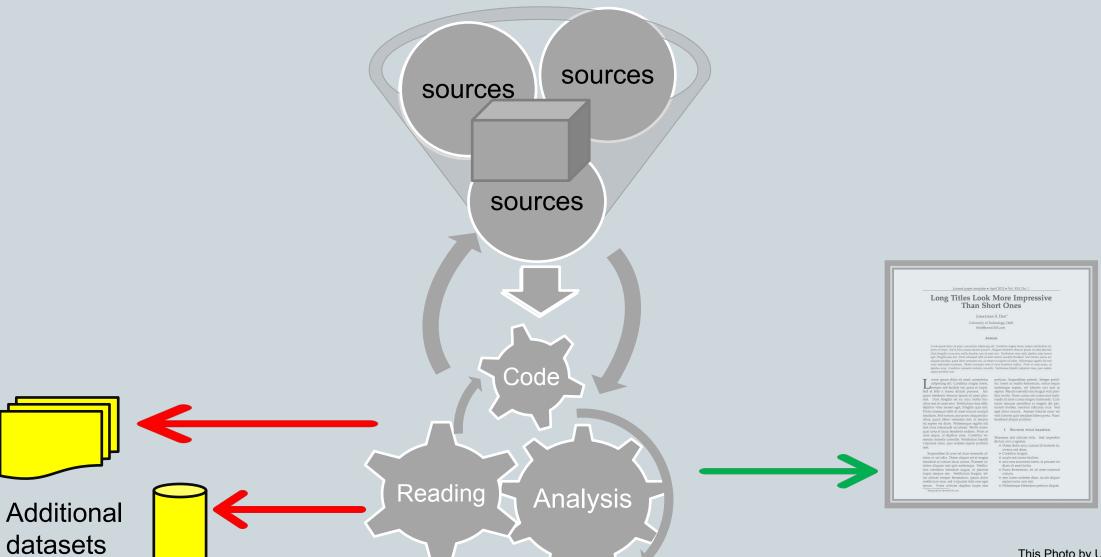
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### What is left out?



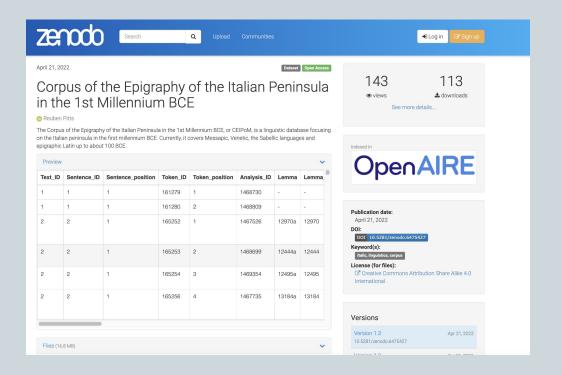
This Photo by Unknown Author is licensed under CC BY-SA

### What more is left out?



### **Contextualisation is critical**

### Data repository



## Contextualisation + peer review + academic credit

### Data paper

Corpus of the Epigraphy of the Italian Peninsula in the 1<sup>st</sup> Millennium BCE (CEIPoM)

Author: Reuben J. Pitts

#### **Abstract**

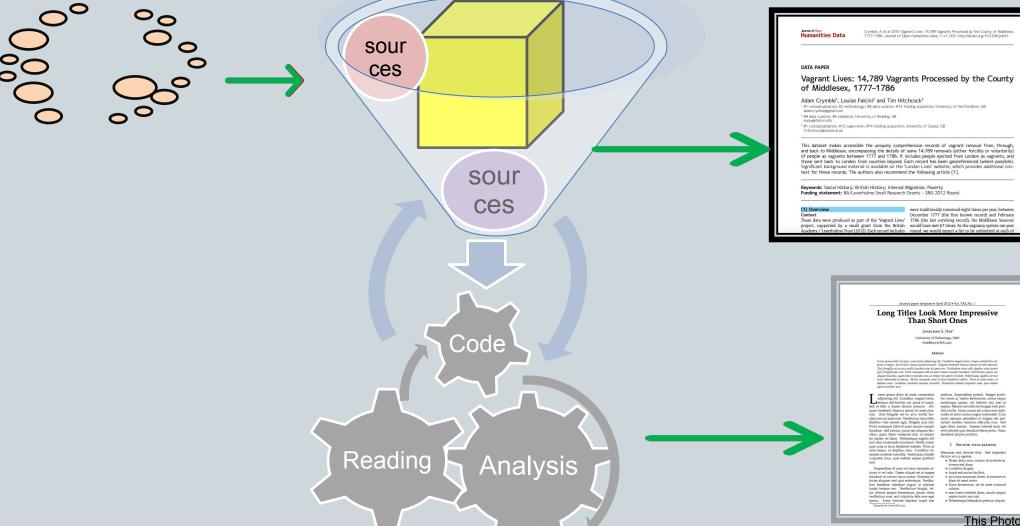
The Corpus of the Epigraphy of the Italian Peninsula in the 1st Millennium BCE (CEIPOM) is a linguistic database which covers the Oscan, Umbrian, Old Sabellic, Messapic and Venetic languages, as well as epigraphic Latin up to 100 BCE. The database is hosted on GitHub and Zenodo, and provides manually annotated linguistic information on all levels of language structure, ranging from phonology to syntax. In providing a high-resolution digital dataset for language varieties that have until now been largely restricted to printed reference works, this corpus opens up new avenues for research into this unique ancient linguistic area.

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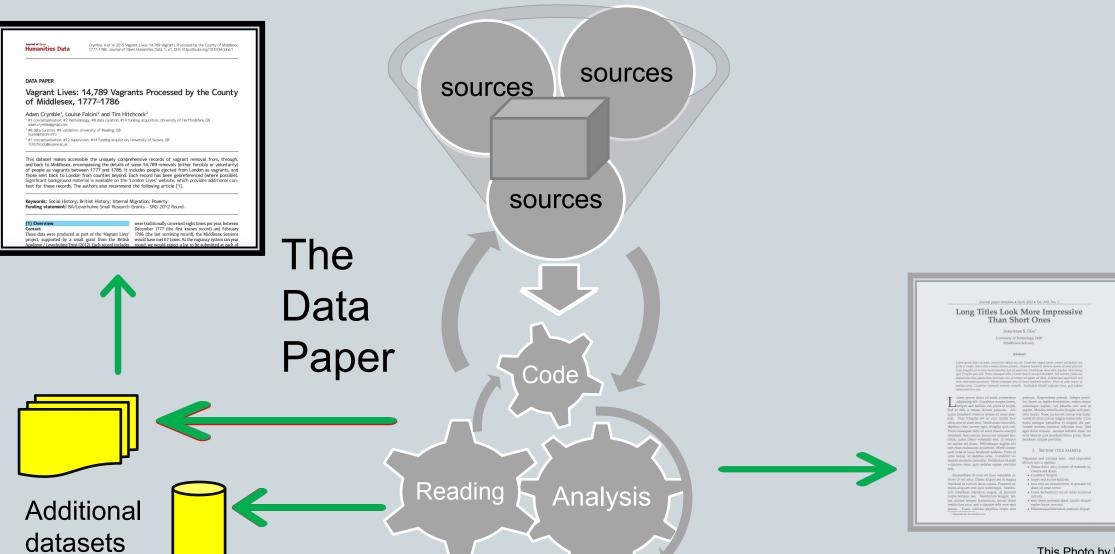
http://doi.org/10.5334/johd.65

### **Crediting resource creation**



The Data Paper

## Promoting reusable data and reproducibility



## An example from linguistics

Jenset, G B, McGillivray, B and Rundell, M. The English dative alternation revisited: Fresh insights from contemporary British spoken data. In: Brezina, V, Love, R and Aijmer, K (eds.), Corpus approaches to contemporary British speech: Sociolinguistic studies of the spoken BNC2014. London: Routledge; 2018; 185–207.

DOI: <a href="https://doi.org/10.4324/978131526">https://doi.org/10.4324/978131526</a> 8323-10



## COR TO B

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## 10 The Dative Alternation Revisited

Fresh Insights From Contemporary British Spoken Data

Gard B. Jenset, Barbara McGillivray and Michael Rundell

### 10.1 Motivation

A well-known feature of English grammar is the dative alternation, whereby a verb may be used in a V-NP-NP construction (*Give me the money*) or with a prepositional phrase in the pattern V-NP-PP, typically with the preposition to (*Give the money to me*). In this study, we use data from the early access Sample of the Spoken British National Corpus 2014 (the Spoken BNC2014S) to investigate the behaviour of six high-frequency verbs whose argument structure preferences include the dative alternation. Given that speakers have both patterns available to them, our goal is to discover whether the choice of pattern is motivated rather than arbitrary—and if so, which factors influence that choice.

Although the dative alternation is a well-researched topic, most published work draws either on introspection or on data from written sources. Using contemporary unscripted spoken text from face-to-face conversations takes us into new territory, especially as the linguistic data in the Spoken BNC2014S are complemented by rich sociolinguistic information on participating speakers. By "sociolinguistic information" we mean the social phenomena that co-occur with linguistic variables (Bayley, 2002, p. 118). The corpus represents a powerful new research resource, and in this chapter we show how it yields new insights into the use of the dative alternation.



Browse

Search on figshare... Q Upload My data





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7	4	give	A9	VNN	you	3	you	TRUE	Z8	TRUE	a list of different types
	5	give	A9	VNN	you	3	you	TRUE	Z8	TRUE	a few like oh these
	6	give	A9	VNN	them	4	them	TRUE	Z8	FALSE	exactly what you want
	7	give	A9	VNN	them	4	them	TRUE	Z8	FALSE	the makeup
	8	give	A9	VNN	him	3	him	TRUE	Z8	TRUE	the choice of which or
	9	give	A9	VNN	me	2	me	TRUE	Z8	TRUE	experience
	10	give	A9	VNN	you	3	you	TRUE	Z8	TRUE	half an hour of being a
	11	give	A9	VNN	me	2	me	TRUE	Z8	TRUE	all sorts of crap
	12	give	A9	VNN	me	2	me	TRUE	Z8	TRUE	all sorts of crap
	13	give	A9	VNN	them	4	them	TRUE	Z8	FALSE	the agency number











## ... and the data paper

Jenset, G.B. and McGillivray, B., 2019. Data from 'The Dative Alternation Revisited: Fresh Insights from Contemporary British Spoken Data'. *Journal of Open Humanities Data*, 5(1), p.1. DOI: <a href="http://doi.org/10.5334/johd.11">http://doi.org/10.5334/johd.11</a>

### License

CC BY 4.0

### **Repository name**

Figshare

### **Publication date**

2018-11-16

### (4) Reuse potential

There is a growing trend in linguistics for quantitative research, a trend which is not proceeding at the same pace in all branches of linguistics [6]. A natural corollary of this increasing quantitative research is a focus on replicable and reproducible research [7].

True replicability is difficult to achieve in many field-based disciplines and social sciences [7]. A more achievable goal is reproducibility. Reproducibility is clearly important for increasing scientific transparency and accountability. A move towards greater reliance on usage-based theory development can drive convergence in linguistic theory generally [8] as well as in specific sub-fields [6]. Despite some notable exceptions (such as second language acquisition), most linguistic sub-fields do not have a strong tradition for making research data available [7]. Publishing not only corpora and raw data, but also the annotated research datasets means that data can be compared quantitatively across

## Journal of

## **Open Humanities Data**

### The Journal of Open Humanities Data

- Launched in 2015
- It is part of the 'metajournals' family in Ubiquity Press. They publish papers about:
  - research data
  - software
  - hardware



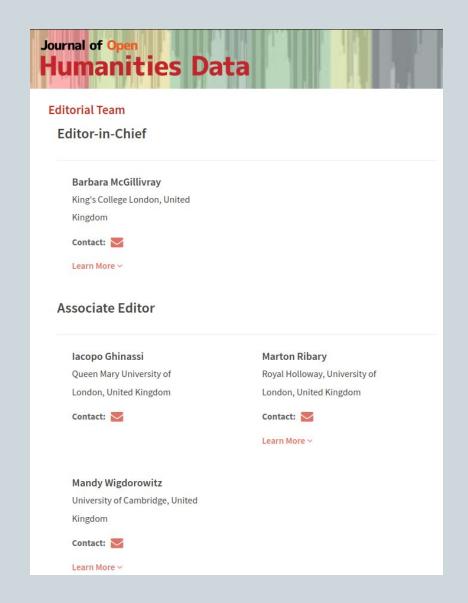
**Vision** 

Be a **key** part of a **thriving community** of scholars **sharing humanities data** 

### JOHD's team

- 1 editor-in-chief
- 3 associated editor
- 2 editorial assistants
- 7 copy editors
- 9 members in the editorial board
- 2 social media editors

→ We are researchers in linguistics, classics, law and more

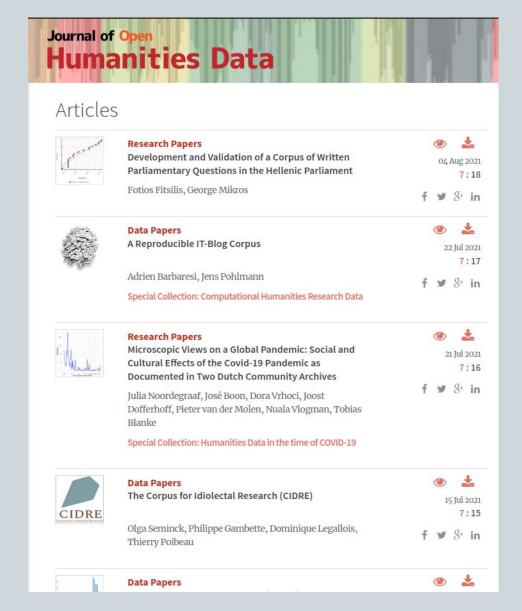


### JOHD's publications

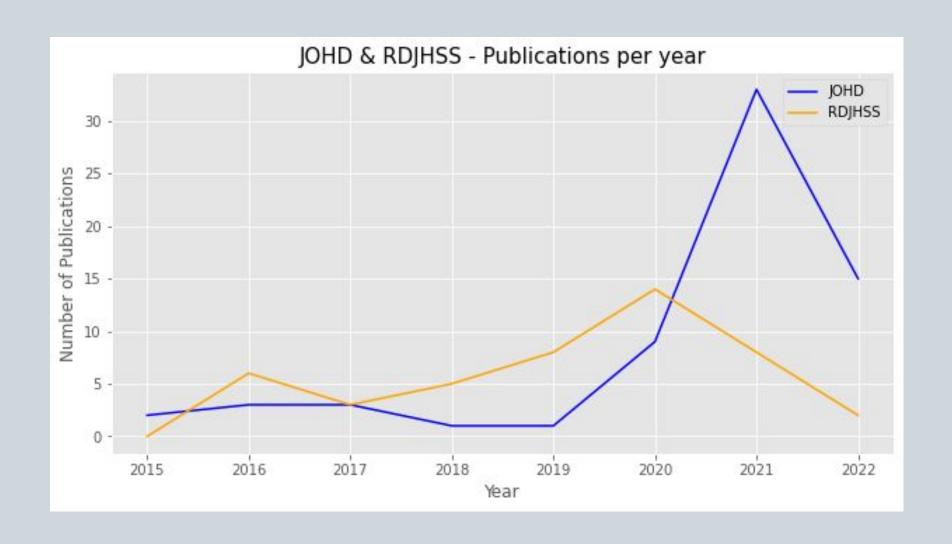
Two types of publication, both data-focused:

- 1) data papers (1000 words)
- 2) research papers (3000-5000 words)

We have published **74** papers so far (October 2022)



## **JOHD's publications**



### Sharing your data and publishing your data paper



The dataset must be stored in an **open** access repository:

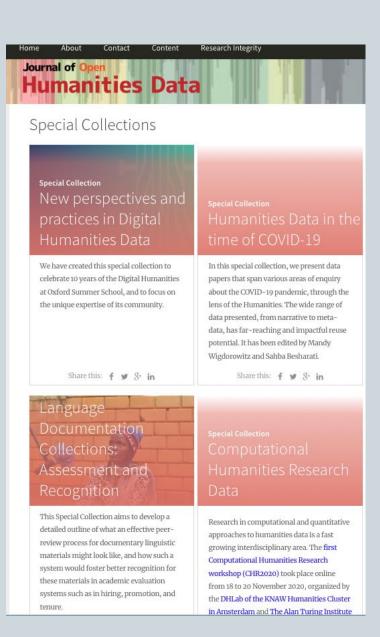
- JOHD Dataverse
- Zenodo
- Figshare
- ❖ SND
- DANS

Image created by Amanda Sorensen

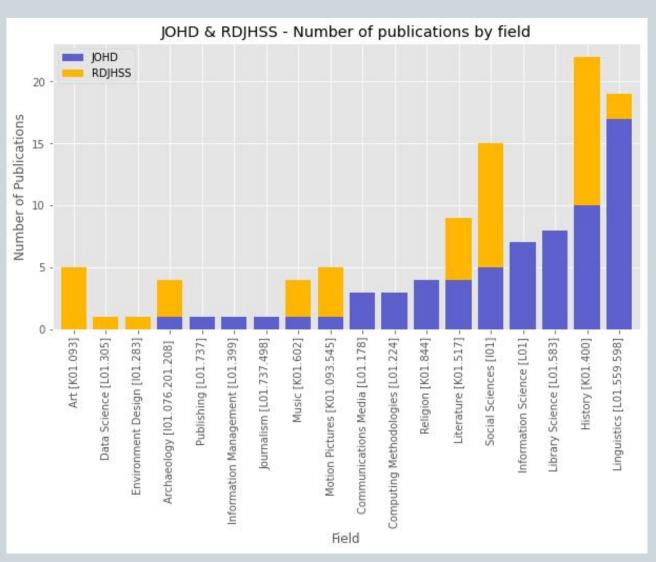
### The special collections

- New perspectives and practices in Digital Humanities Data: 3 articles
- Humanities data in the time of COVID-19: 5 articles
- Language documentation collections: Assessment and Recognition: 2 articles
- Computational Humanities Research Data: 9 articles

JOHD accepts submissions to the general issue on a rolling basis



### **Disciplinary scope**



Credits: Eleonora Zordan

### **Conferences and events**

- ☐ LIBER conference (session #3 "Working with Software and Data")
- round table of experts about data citation, organised by SSHOC (Social Sciences & Humanities Open Cloud)
- #dhnord2021 about the publication of data papers in the humanities
- ☐ DHASA conference 2021 (Digital Humanities Association of Southern Africa)
- BE \*2021\*

  BE ONLINE

  23 -25 JUNE



- SciDataCon-IDW Seoul 2022 about the impact of data papers and datasets Australian Text Analytics Platform
  - ☐ Humanities and Data Science Discussion Group at the Alan Turing Institute
  - RIOT science club
  - Oxford Open Humanities Seminar Series









DHASA 2021
Digitally Human - Artificially Intelligent
29th Nov - 3rd Dec 2021

### The #showmeyourdata campaign

### What is it?

 We ask our authors to post an image of their data and describe it. It can be the screenshot of (any type of) dataset, a visualisation etc.

### What for?

 Our aim is to promote open research and data sharing values: we would like to encourage the conversation on this topic and demystify it



We're showing off our data(sets) today! Here's what a CSV file of transcriptions from the Rosa Parks collection looks like. What could you do with this data? loc.gov/item/202044559...

	Item	ItemId	Asset	AssetStatus	Download Url Transcription
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It's #showmeyourdata time!

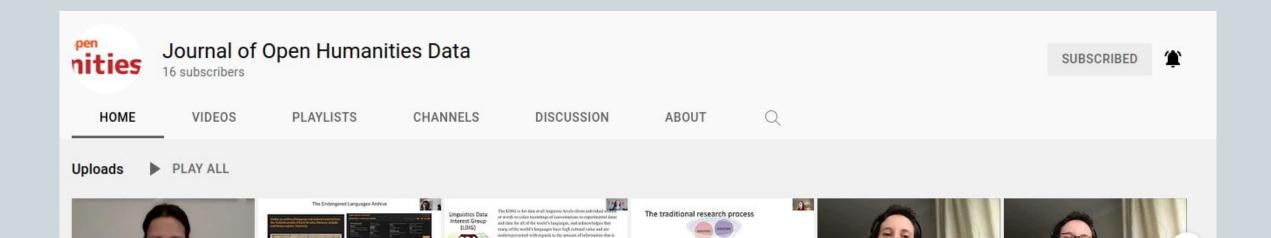
Today's #datapaper is "By the People Crowdsourcing Datasets from the Library of Congress", authored by the @Crowd\_LOC team — doi.org/10.5334/johd.67 Authors, if you'd like to participate in our campaign, please RT sharing an image of your data

2:24 pm · 18 Mar 2022 · Twitter Web App

10 Retweets 2 Quote Tweets 22 Likes

### Other activities

Open Humanities Data Forums: promoting values of data sharing and reusability in the humanities



Data Forum - Q&A 4 views · 3 months ago

Second Open Humanities

5 views • 3 months ago

Second Open Humanities

Data Forum - Richard...

Second Open Humanities Data Forum - Lauren...

4 views • 3 months ago

Second Open Humanities Data Forum - Introduction

7 views • 4 months ago

17 views • 7 months ago

Q&A

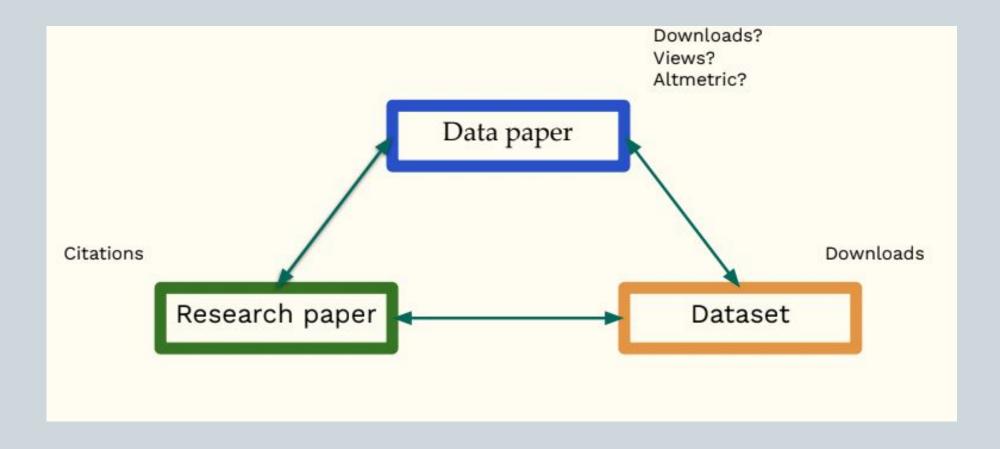
First Open Humanities Data Forum - Introduction

Credits: Paola Marongiu

### **Papers**

- "Le Journal of Open Humanities Data (JOHD) : enjeux et défis dans la publication de data papers pour les sciences humaines" (forthcoming). In *Publier, partager, réutiliser les données de la recherche: les data papers et leurs enjeux,* edited by Christine Kosmopoulos and Joachim Schöpfel. Presses Universitaires du Septentrion.
- "Deep Impact: A study on the impact of data papers and datasets in the Humanities and Social Sciences" (2022). Research Data and Data Papers, special issue of Publications, edited by Jorge Reverz.

### **Data papers and impact**



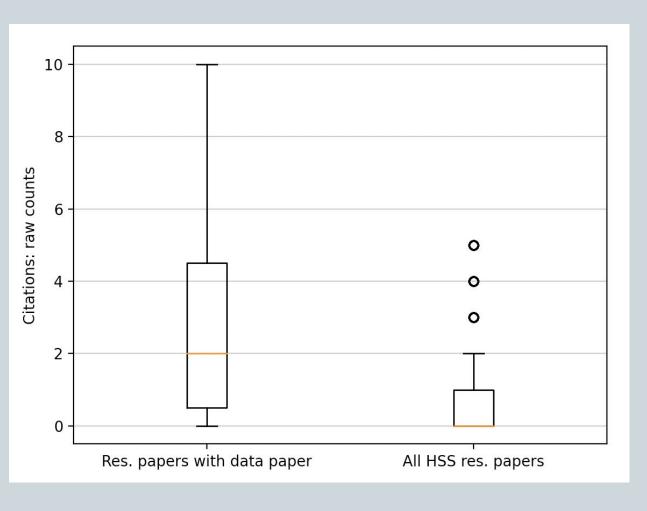
Credits: Nilo Pedrazzini

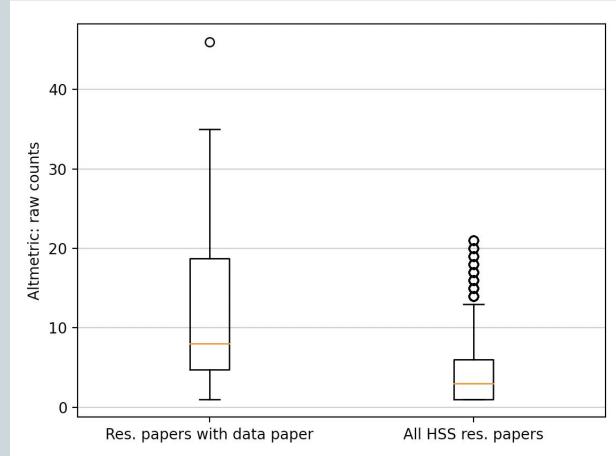
## **Data papers and impact**

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altmetric_research	views_datapaper	0.47	0.06	moderate	borderline
altmetric_research	downloads_datapaper	0.59	0.01	<u>moderate</u>	<u>ves</u>
tot_citations_research	altmetric_datapaper	0.39	0.06	weak	borderline
tot_citations_research	tweets_datapaper	0.38	0.06	weak	borderline

Credits: Nilo Pedrazzini

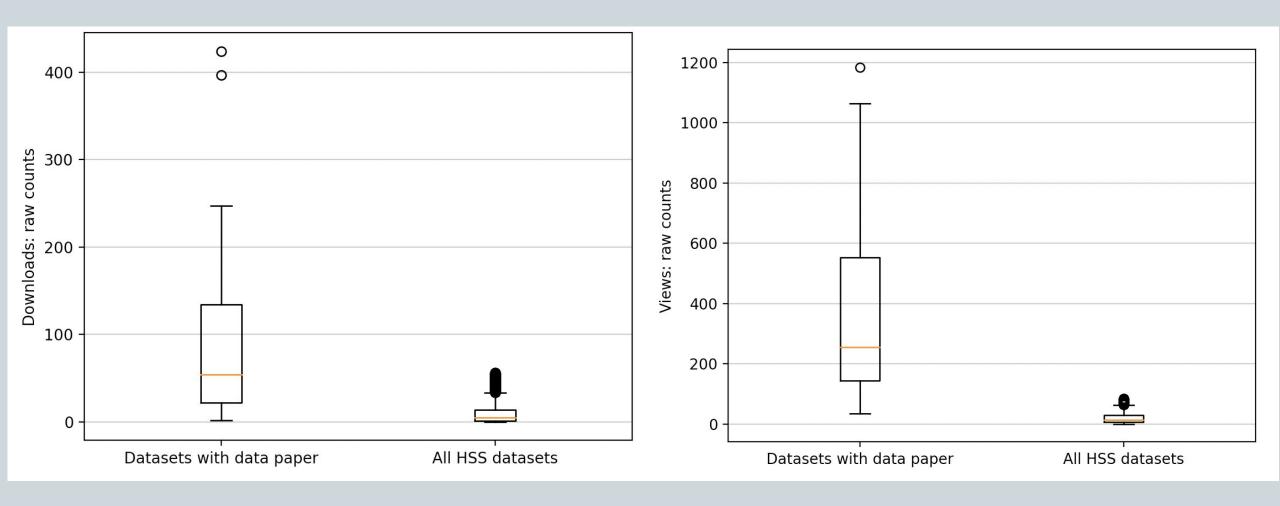
### **Data papers and impact**





Credits: Nilo Pedrazzini

### **Data papers and datasets**



Credits: Nilo Pedrazzini and Marton Ribary

## Keep in touch...



@up\_johd

#johdpapers and #johdCfP: newly published papers and call for papers

**#johdnews: news about JOHD (activities and events)** 

#johdagenda: external events about open data, data sharing and related matters

#showmeyourdata: share an image of your data and describe it



### **Newsletter:**

Every 6 months, an update on all our activities, publications, new members of our team

Recordings of the events organised by JOHD (e.g. *Open Humanities Data Forums*)

Recordings of presentations to conferences and events

Short videos on key topics for JOHD e.g. how to define humanities data?





## Thank you!

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