

Data and Software Citation -- Journal Production Version

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What does successful citation look like?

The article might...

- contain data/code in SI
- describe how to access authors' data/code in text, with link
- above, + description of how to find any reused data/code, with link
- Cite authors' data/code in References section with DOI
- Above, + references for reused data/code!



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Data:

Edmunds, P. J., Didden, C., & Frank, K. (2021). Mean percentage cover of corals and *Porites astreoides* at each site by year at St. John, VI from 1992 to 2019 (Version 1) [Dataset]. Biological and Chemical Oceanography Data Management Office (BCO-DMO). <https://doi.org/10.26008/1912/BCO-DMO.843284.1>

Software:

Shobe, C. (2023). Code and data for "The uncertain future of mountaintop-removal-mined landscapes 1: How mining changes erosion processes and variables" (v1.0) [Software]. Zenodo. <https://doi.org/10.5281/zenodo.10059514>

Include bracketed description!

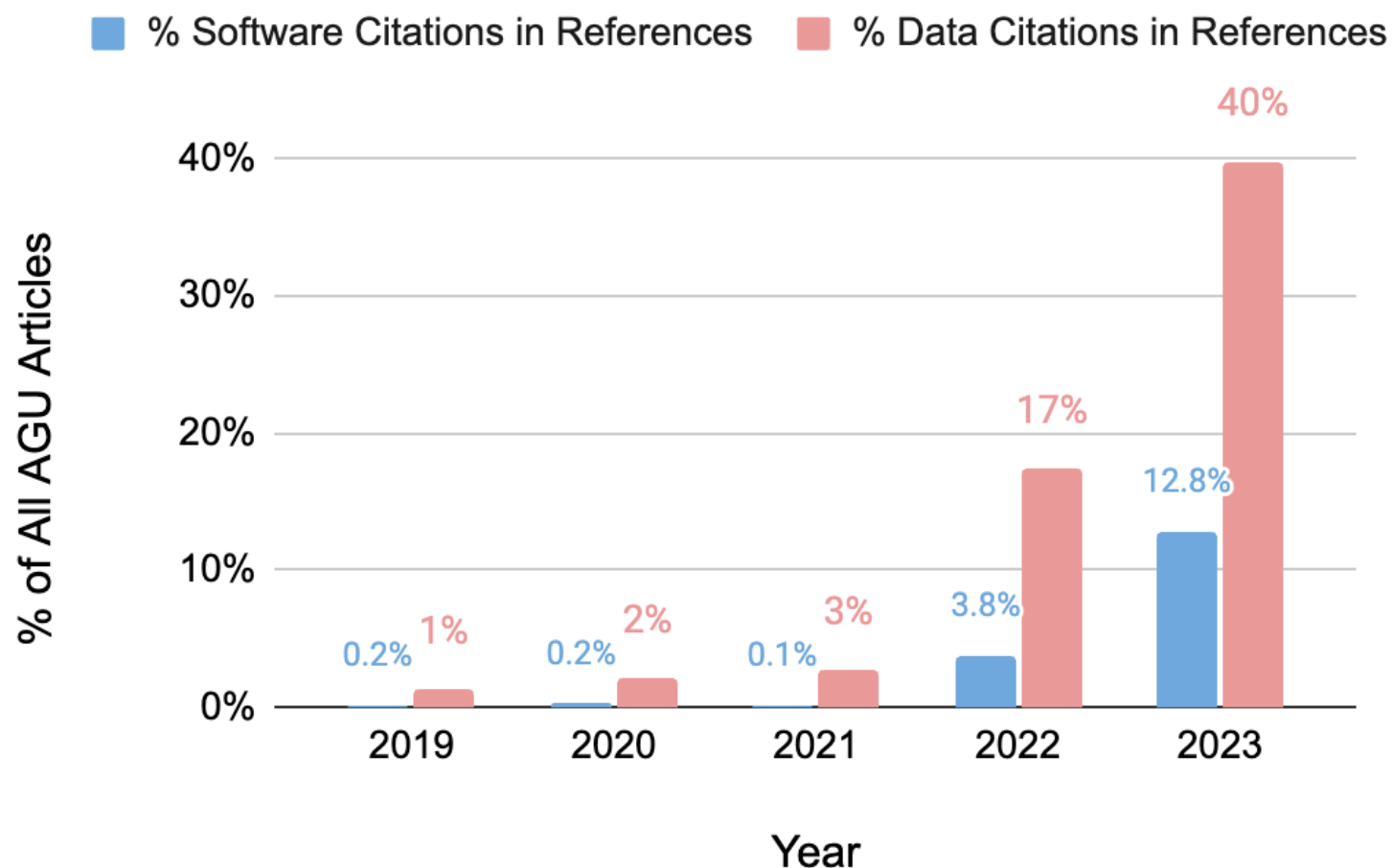
See Stall *et al*, 2023, "Journal Production Guidance for Software and Data Citations". DOI: [10.1038/s41597-023-02491-7](https://doi.org/10.1038/s41597-023-02491-7)



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Examples of data citation: from article to CrossRef

```
"key": "e_1_2_10_14_1",
  "volume-title": "Bursts of auroral kilometric
radiation individually selected from wind/waves data",
  "author": "Fogg A. R.",
  "year": "2021"
```

*Example from another
publisher*



```
"key": "e_1_2_12_38_1",
  "unstructured": "Louis C. K. Zarka P. &Cecconi
B.(2021).Catalogue of Jupiter radio emissions identified
in the Juno/Waves observations. Version 1.0.
PADC/MASER.https://doi.org/10.25935/nhb2-wy29"
```

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"key": "CM26213038_CR5",
  "unstructured": "Vrouwenvelder, K. Preprint at
Zenodo https://doi.org/10.5281/zenodo.8388025 (2023)."
```

Cecconi, B., Lamy, L., & Zarka, P. (2017a). Cassini/RPWS/HFR LESIA/Kronos N3b data collection (Version 1.0) [Dataset]. PADC. <https://doi.org/10.25935/F8NS-0911>

[View](#)

[Google Scholar](#)



```
"key": "e_1_2_10_6_1",
  "doi-asserted-by": "publisher",
  "unstructured": "Cecconi B. Lamy L. &Zarka
P.(2017a).Cassini/RPWS/HFR LESIA/Kronos N3b data
collection (Version
1.0)[Dataset].PADC.https://doi.org/10.25935/F8NS-0911",
  "DOI": "10.25935/F8NS-0911"
```

To check an article's metadata: <https://search.crossref.org/>

Example: Availability Statement in Open Research Section

Appears at the end
of the paper!



Open Research

Data Availability Statement

All software and processed data required to enable the reader to reproduce our results are published via Zenodo at <https://doi.org/10.5281/zenodo.8398701> (Baker et al., 2023). The MITgcm (Marshall et al., 1997) is documented at <https://mitgcm.readthedocs.io> and available at <https://doi.org/10.5281/zenodo.1409237> (Campin et al., 2019). Observational CTD data along the SR1b section, collected by the ACCLAIM project and used in Figures 1e and 2 are available from https://www.bodc.ac.uk/data/bodc_database/ctd/search/ by selecting cruise identifier JR20091118. CTD and LADCP data along the SR1b section collected by the DIMES project used in Figure 4 are available from https://www.bodc.ac.uk/data/bodc_database/nodb/search/ by selecting cruise identifier JR20130317.

Supporting Information

References

Example: Data or Software Citation in References

Data:

Edmunds, P. J., Didden, C., & Frank, K. (2021). Mean percentage cover of corals and Porites astreoides at each site by year at St. John, VI from 1992 to 2019 (Version 1) [Dataset]. Biological and Chemical Oceanography Data Management Office (BCO-DMO). <https://doi.org/10.26008/1912/BCO-DMO.843284.1>

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Note bracketed description

Example: Author Guidance



AGU's full author guidance

1. Submission portal asks authors to ensure they are ready to share data/software*
2. Staff QC checks include check for availability statement in open research section and (if data/software has a DOI) associated citation in references

Beyond submission:

- Extensive guidance for authors available on our webpage
- Email helpline (data@agu.org) available for authors; workshops and partnerships with Data Help Desk at relevant conferences

*depending on the journal, with editor discretion for exceptions

- AAS
- AMS
- AGU
- Taylor and Francis
- Elsevier
- Springer-Nature
- Wiley
- PLOS
- eLIFE
- JISC
- EMBO Press
- CrossRef
- Atypon
- GigaScience
- JOSS
- Pangaea
- Software Sustainability Institute
- CHORUS
- Harvard
- IPCC

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Journal Production Guidance for Software and Data Citations

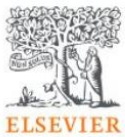
[Shelley Stall](#) , [Geoffrey Bilder](#), [Matthew Cannon](#), [Neil Chue Hong](#), [Scott Edmunds](#), [Christopher C. Erdmann](#), [Michael Evans](#), [Rosemary Farmer](#), [Patricia Feeney](#), [Michael Friedman](#), [Matthew Giampoala](#), [R. Brooks Hanson](#), [Melissa Harrison](#), [Dimitris Karaiskos](#), [Daniel S. Katz](#), [Viviana Letizia](#), [Vincent Lizzi](#), [Catriona MacCallum](#), [August Muench](#), [Kate Perry](#), [Howard Ratner](#), [Uwe Schindler](#), [Brian Sedora](#), [Martina Stockhause](#), ... [Timothy Clark](#) [+ Show authors](#)

[Scientific Data](#) **10**, Article number: 656 (2023) | [Cite this article](#)

7114 Accesses | **39** Altmetric | [Metrics](#)

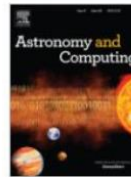
Result

<https://doi.org/10.1016/j.ascom.2024.100879>



Astronomy and Computing

Volume 49, October 2024, 100879



Full length article

Determining research priorities using machine learning

B.A. Thomas ^a , A. Buonomo ^a, H. Thronson ^{b 1}, L. Barbier ^c

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Slide Credit: Rebecca Ringuette

[Buonomo and Thomas, 2024](#) Buonomo A., Thomas B.

Topic modeling code for this paper

Zenodo (2024), [10.5281/zenodo.10870579](https://zenodo.org/records/10870579)

URL: <https://zenodo.org/records/10870588>

[View at publisher](#) [Google Scholar](#)

[Thomas, 2024a](#) Thomas B.

Input/training dataset for this paper

Zenodo (2024), [10.5281/zenodo.13623653](https://zenodo.org/records/13623653)

URL: <https://zenodo.org/records/13623653>

[View at publisher](#) [Google Scholar](#)

[Thomas, 2024b](#) Thomas B.

Result dataset for this paper

Zenodo (2024), [10.5281/zenodo.13623751](https://zenodo.org/records/13623751)

URL: <https://zenodo.org/records/13623751>

[View at publisher](#) [Google Scholar](#)

[Thomas and Buonomo, 2024](#) Thomas B., Buonomo A.

ML_strat_prioritization github repository of analysis code: v1.0.1

(2024), [10.5281/zenodo.13623730](https://zenodo.org/records/13623730)

[View at publisher](#) [Google Scholar](#)

Live Demo
