

31 Oct 2022

Dear Editors,

Please consider our manuscript entitled “palaeoverse: a community-driven R package to support palaeobiological analysis” for publication as an article (type: application) in *Methods in Ecology and Evolution*.

This manuscript details the new R package ‘palaeoverse’, which is now accepted and available on CRAN. This package, created in response to the surveyed needs of the palaeontological community, is the first of our knowledge to provide a variety of functions for preparing and organising palaeobiological data for further analysis. With this package, we aim to streamline data preparation and analyses, enhance code readability, and encourage reproducible research.

This manuscript follows other similar works recently published in *Methods in Ecology and Evolution*, including:

- Flannery-Sutherland, J.T., Raja, N.B., Kocsis, Á.T. and Kiessling, W., 2022. fossilbrush: An R package for automated detection and resolution of anomalies in palaeontological occurrence data. *Methods in Ecology and Evolution*.
- Barido-Sottani, J., Pett, W., O’Reilly, J.E. and Warnock, R.C., 2019. FossilSim: an R package for simulating fossil occurrence data under mechanistic models of preservation and recovery. *Methods in Ecology and Evolution*, 10(6), 835-840.
- Kocsis, Á.T., Reddin, C.J., Alroy, J. and Kiessling, W., 2019. The R package divDyn for quantifying diversity dynamics using fossil sampling data. *Methods in Ecology and Evolution*, 10(5), 735-743.

Potential reviewers for this manuscript include:

- Matthew Powell, Juniata College (powell@juniata.edu)
- Danielle Fraser, Canadian Museum of Nature (dfraser@nature.ca)
- Juan Cantalapiedra, Universidad de Alcalá (juan.cantalapiedra@uah.es)
- Alex Dunhill, University of Leeds (A.Dunhill@leeds.ac.uk)
- Thomas Guillerme, University of Sheffield (guillert@tcd.ie)

All of the aforementioned can be considered quantitative palaeobiologists and are familiar with conducting analyses in the R programming language.

Thank you for considering our manuscript. We hope that it meets the high standard expected for review at *Methods in Ecology and Evolution*.

Sincerely,

Dr Lewis Jones (on behalf of all co-authors)

Note: A preprint of this manuscript is available at: <https://eartharxiv.org/repository/view/4619/>