

grateful citation report

R packages used

Package	Version	Citation
base	4.3.3	R Core Team (2024)
brms	2.22.0	Bürkner (2017); Bürkner (2018); Bürkner (2021)
broom.mixed	0.2.9.6	Bolker and Robinson (2024)
metafor	4.4.0	Viechtbauer (2010)
renv	1.0.5	Ushey and Wickham (2024)
rstan	2.32.6	Stan Development Team (2024)
tarchetypes	0.11.0	Landau (2021a)
targets	1.8.0	Landau (2021b)
tidybayes	3.0.7	Kay (2024)
tidyverse	2.0.0	Wickham et al. (2019)

You can paste this paragraph directly in your report:

We used R version 4.3.3 (R Core Team 2024) and the following R packages: brms v. 2.22.0 (Bürkner 2017, 2018, 2021), broom.mixed v. 0.2.9.6 (Bolker and Robinson 2024), metafor v. 4.4.0 (Viechtbauer 2010), renv v. 1.0.5 (Ushey and Wickham 2024), rstan v. 2.32.6 (Stan Development Team 2024), tarchetypes v. 0.11.0 (Landau 2021a), targets v. 1.8.0 (Landau 2021b), tidybayes v. 3.0.7 (Kay 2024), tidyverse v. 2.0.0 (Wickham et al. 2019).

Package citations

- Bolker, Ben, and David Robinson. 2024. *broom.mixed: Tidying Methods for Mixed Models*. <https://github.com/bbolker/broom.mixed>.
- Bürkner, Paul-Christian. 2017. “brms: An R Package for Bayesian Multilevel Models Using Stan.” *Journal of Statistical Software* 80 (1): 1–28. <https://doi.org/10.18637/jss.v080.i01>.
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- . 2021. “Bayesian Item Response Modeling in R with brms and Stan.” *Journal of Statistical Software* 100 (5): 1–54. <https://doi.org/10.18637/jss.v100.i05>.
- Kay, Matthew. 2024. *tidybayes: Tidy Data and Geoms for Bayesian Models*. <https://doi.org/10.5281/zenodo.1308151>.
- Landau, William Michael. 2021a. *tarchetypes: Archetypes for Targets*.
- . 2021b. “The Targets r Package: A Dynamic Make-Like Function-Oriented Pipeline Toolkit for Reproducibility and High-Performance Computing.” *Journal of Open Source Software* 6 (57): 2959. <https://doi.org/10.21105/joss.02959>.
- R Core Team. 2024. *R: A Language and Environment for Statistical Computing*. Vienna, Austria: R Foundation for Statistical Computing. <https://www.R-project.org/>.
- Stan Development Team. 2024. “RStan: The R Interface to Stan.” <https://mc-stan.org/>.
- Ushey, Kevin, and Hadley Wickham. 2024. *renv: Project Environments*. <https://CRAN.R-project.org/package=renv>.
- Viechtbauer, Wolfgang. 2010. “Conducting Meta-Analyses in R with the metafor Package.” *Journal of Statistical Software* 36 (3): 1–48. <https://doi.org/10.18637/jss.v036.i03>.

Wickham, Hadley, Mara Averick, Jennifer Bryan, Winston Chang, Lucy D'Agostino McGowan, Romain François, Garrett Golemund, et al. 2019. "Welcome to the tidyverse." *Journal of Open Source Software* 4 (43): 1686. <https://doi.org/10.21105/joss.01686>.