

# grateful citation report

## R packages used

Package	Version	Citation
afex	1.4.1	Singmann et al. (2024)
base	4.4.2	R Core Team (2024)
easystats	0.7.4	Lüdecke et al. (2022)
emmeans	1.10.7	Lenth (2025)
grateful	0.2.10	Rodriguez-Sanchez and Jackson (2023)
here	1.0.1	Müller (2020)
Hmisc	5.2.2	Harrell Jr (2025)
kableExtra	1.4.0	Zhu (2024)
patchwork	1.3.0	Pedersen (2024)
rcompanion	2.4.36	Mangiafico (2024)
renv	1.1.0	Ushey and Wickham (2025)
tidyverse	2.0.0	Wickham et al. (2019)
waffle	1.0.2	Rudis and Gandy (2023)

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We used R version 4.4.2 (R Core Team 2024) and the following R packages: afex v. 1.4.1 (Singmann et al. 2024), easystats v. 0.7.4 (Lüdecke et al. 2022), emmeans v. 1.10.7 (Lenth 2025), grateful v. 0.2.10 (Rodriguez-Sanchez and Jackson 2023), here v. 1.0.1 (Müller 2020), Hmisc v. 5.2.2 (Harrell Jr 2025), kableExtra v. 1.4.0 (Zhu 2024), patchwork v. 1.3.0 (Pedersen 2024), rcompanion v. 2.4.36 (Mangiafico 2024), renv v. 1.1.0 (Ushey and Wickham 2025), tidyverse v. 2.0.0 (Wickham et al. 2019), waffle v. 1.0.2 (Rudis and Gandy 2023).

## Package citations

Harrell Jr, Frank E. 2025. *Hmisc: Harrell Miscellaneous*. <https://CRAN.R-project.org/package=Hmisc>.

Lenth, Russell V. 2025. *emmeans: Estimated Marginal Means, Aka Least-Squares Means*. <https://CRAN.R-project.org/package=emmeans>.

Lüdecke, Daniel, Mattan S. Ben-Shachar, Indrajeet Patil, Brenton M. Wiernik, Etienne Bacher, Rémi Thériault, and Dominique Makowski. 2022. “easystats: Framework for Easy Statistical Modeling, Visualization, and Reporting.” *CRAN*. <https://doi.org/10.32614/CRAN.package.easystats>.

Mangiafico, Salvatore S. 2024. *rcompanion: Functions to Support Extension Education Program Evaluation*. New Brunswick, New Jersey: Rutgers Cooperative Extension. <https://CRAN.R-project.org/package=rcompanion/>.

Müller, Kirill. 2020. *here: A Simpler Way to Find Your Files*. <https://CRAN.R-project.org/package=here>.

Pedersen, Thomas Lin. 2024. *patchwork: The Composer of Plots*. <https://CRAN.R-project.org/package=patchwork>.

R Core Team. 2024. *R: A Language and Environment for Statistical Computing*. Vienna, Austria: R Foundation for Statistical Computing. <https://www.R-project.org/>.

Rodriguez-Sanchez, Francisco, and Connor P. Jackson. 2023. *grateful: Facilitate Citation of r Packages*. <https://pakillo.github.io/grateful/>.

Rudis, Bob, and Dave Gandy. 2023. *waffle: Create Waffle Chart Visualizations*. <https://CRAN.R-project.org/package=waffle>.

- Singmann, Henrik, Ben Bolker, Jake Westfall, Frederik Aust, and Mattan S. Ben-Shachar. 2024. *afex: Analysis of Factorial Experiments*. <https://CRAN.R-project.org/package=afex>.
- Ushey, Kevin, and Hadley Wickham. 2025. *renv: Project Environments*. <https://CRAN.R-project.org/package=renv>.
- 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>.
- Zhu, Hao. 2024. *kableExtra: Construct Complex Table with "kable" and Pipe Syntax*. <https://CRAN.R-project.org/package=kableExtra>.