

Software Bibliography

- Allaire, JJ, Yihui Xie, Christophe Dervieux, Jonathan McPherson, Javier Luraschi, Kevin Ushey, Aron Atkins, et al. 2023. *Rmarkdown: Dynamic Documents for r*. <https://github.com/rstudio/rmarkdown>.
- Arel-Bundock, Vincent. 2022. “modelsummary: Data and Model Summaries in R.” *Journal of Statistical Software* 103 (1): 1–23. <https://doi.org/10.18637/jss.v103.i01>.
- Arel-Bundock, Vincent, and Joshua McCrain. 2023. “Software Citations in Political Science.” *PS: Political Science & Politics* April: 1–4. <https://doi.org/10.1017/S1049096523000239>.
- Corporation, Microsoft, and Steve Weston. 2022. *doParallel: Foreach Parallel Adaptor for the 'Parallel' Package*. <https://CRAN.R-project.org/package=doParallel>.
- Csárdi, Gábor, and Winston Chang. 2022. *Callr: Call r from r*. <https://CRAN.R-project.org/package=callr>.
- Csárdi, Gábor, and Rich FitzJohn. 2019. *Progress: Terminal Progress Bars*. <https://CRAN.R-project.org/package=progress>.
- Csárdi, Gábor, Jim Hester, Hadley Wickham, Winston Chang, Martin Morgan, and Dan Tenenbaum. 2023. *Remotes: R Package Installation from Remote Repositories, Including 'GitHub'*. <https://CRAN.R-project.org/package=remotes>.
- da Silva-Júnior, Antonio Hermes M., Damião Nóbrega da Silva, and Silvia L. P. Ferrari. 2014. “mdscore: An R Package to Compute Improved Score Tests in Generalized Linear Models.” *Journal of Statistical Software* 61 (2): 1–16. <http://www.jstatsoft.org/v61/c02/>.
- Dunn, Peter K., and Gordon K. Smyth. 1996. “Randomized Quantile Residuals.” *J. Comput. Graph. Statist* 5: 236–44.
- Gaujoux, Renaud. 2023. *doRNG: Generic Reproducible Parallel Backend for 'Foreach' Loops*. <https://CRAN.R-project.org/package=doRNG>.
- Gelman, Andrew, and Yu-Sung Su. 2022. *Arm: Data Analysis Using Regression and Multilevel/Hierarchical Models*. <https://CRAN.R-project.org/package=arm>.
- Genz, Alan, and Frank Bretz. 2009. *Computation of Multivariate Normal and t Probabilities*. Lecture Notes in Statistics. Heidelberg: Springer-Verlag.
- Gillespie, Colin. 2022. *Benchmarkme: Crowd Sourced System Benchmarks*. <https://CRAN.R-project.org/package=benchmarkme>.
- GILLIBERT, André. 2020. *Glmglrt: GLRT p-Values in Generalized Linear Models*. <https://CRAN.R-project.org/package=glmglrt>.
- Giner, Goknur, and Gordon K. Smyth. 2016. “Statmod: Probability Calculations for the Inverse Gaussian Distribution.” *R Journal* 8 (1): 339–51.
- Hu, Yifang, and Gordon K. Smyth. 2009. “ELDA: Extreme Limiting Dilution Analysis for Comparing Depleted and Enriched Populations in Stem Cell and Other Assays.” *Journal of Immunological Methods* 347 (1): 70–78.
- Kosmidis, Ioannis. 2021. *brglm: Bias Reduction in Binary-Response Generalized Linear Models*. <https://cran.r-project.org/package=brglm>.
- . 2023. *brglm2: Bias Reduction in Generalized Linear Models*. <https://CRAN.R-project.org/package=brglm2>.
- Kosmidis, Ioannis, and David Firth. 2021a. “Jeffreys-Prior Penalty, Finiteness and Shrinkage in Binomial-Response Generalized Linear Models.” *Biometrika* 108 (1): 71–82. <https://doi.org/10.1093/biomet/asa052>.
- . 2021b. “Jeffreys-Prior Penalty, Finiteness and Shrinkage in Binomial-Response Generalized Linear Models.” *Biometrika* 108: 71–82. <https://doi.org/10.1093/biomet/asaa052>.
- Kosmidis, Ioannis, Euloge Clovis Kenne Pagui, and Nicola Sartori. 2020. “Mean and Median Bias Reduction in Generalized Linear Models.” *Statistics and Computing* 30: 43–59. <https://doi.org/10.1007/s11222-019-09860-6>.
- Kosmidis, Ioannis, Dirk Schumacher, and Florian Schwendinger. 2022. *Detectseparation: Detect and Check for Separation and Infinite Maximum Likelihood Estimates*. <https://CRAN.R-project.org/package=detectseparation>.
- Leifeld, Philip. 2013. “texreg: Conversion of Statistical Model Output in R to LaTeX and HTML Tables.” *Journal of Statistical Software* 55 (8): 1–24. <http://dx.doi.org/10.18637/jss.v055.i08>.
- Meschiari, Stefano. 2022. *Latex2exp: Use LaTeX Expressions in Plots*. <https://CRAN.R-project.org/package=latex2exp>.

- Microsoft, and Steve Weston. 2022. *Foreach: Provides Foreach Looping Construct*. <https://CRAN.R-project.org/package=foreach>.
- Pedersen, Thomas Lin. 2023. *Patchwork: The Composer of Plots*. <https://CRAN.R-project.org/package=patchwork>.
- Phipson, Belinda, and Gordon K. Smyth. 2010. “Permutation p-Values Should Never Be Zero: Calculating Exact p-Values When Permutations Are Randomly Drawn.” *Statistical Applications in Genetics and Molecular Biology* 9 (1): Article 39.
- R Core Team. 2023. *R: A Language and Environment for Statistical Computing*. Vienna, Austria: R Foundation for Statistical Computing. <https://www.R-project.org/>.
- Robinson, David, Alex Hayes, and Simon Couch. 2023. *Broom: Convert Statistical Objects into Tidy Tibbles*. <https://CRAN.R-project.org/package=broom>.
- Schloerke, Barret, Di Cook, Joseph Larmarange, Francois Briatte, Moritz Marbach, Edwin Thoen, Amos Elberg, and Jason Crowley. 2021. *GGally: Extension to 'Ggplot2'*. <https://CRAN.R-project.org/package=GGally>.
- Slowikowski, Kamil. 2023. *Ggrepel: Automatically Position Non-Overlapping Text Labels with 'Ggplot2'*. <https://CRAN.R-project.org/package=ggrepel>.
- Smyth, Gordon K. 2002. “An Efficient Algorithm for REML in Heteroscedastic Regression.” *Journal of Computational and Graphical Statistics* 11: 836–47.
- . 2005a. “Numerical Integration.” *Encyclopedia of Biostatistics*, 3088–95.
- . 2005b. “Optimization and Nonlinear Equations.” *Encyclopedia of Biostatistics*, 3088–95.
- Ushey, Kevin, and Hadley Wickham. 2023. *Renv: Project Environments*. <https://CRAN.R-project.org/package=renv>.
- van den Brand, Teun. 2023. *Ggh4x: Hacks for 'Ggplot2'*. <https://CRAN.R-project.org/package=ggh4x>.
- 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>.
- Wickham, Hadley, Winston Chang, Robert Flight, Kirill Müller, and Jim Hester. 2021. *Sessioninfo: R Session Information*. <https://CRAN.R-project.org/package=sessioninfo>.
- Wickham, Hadley, Romain François, Lionel Henry, Kirill Müller, and Davis Vaughan. 2023. *Dplyr: A Grammar of Data Manipulation*. <https://CRAN.R-project.org/package=dplyr>.
- Wickham, Hadley, and Dana Seidel. 2022. *Scales: Scale Functions for Visualization*. <https://CRAN.R-project.org/package=scales>.
- Xie, Yihui. 2014. “Knitr: A Comprehensive Tool for Reproducible Research in R.” In *Implementing Reproducible Computational Research*, edited by Victoria Stodden, Friedrich Leisch, and Roger D. Peng. Chapman; Hall/CRC.
- . 2015. *Dynamic Documents with R and Knitr*. 2nd ed. Boca Raton, Florida: Chapman; Hall/CRC. <https://yihui.org/knitr/>.
- . 2023. *Knitr: A General-Purpose Package for Dynamic Report Generation in r*. <https://yihui.org/knitr/r/>.
- Xie, Yihui, J. J. Allaire, and Garrett Golemund. 2018. *R Markdown: The Definitive Guide*. Boca Raton, Florida: Chapman; Hall/CRC. <https://bookdown.org/yihui/rmarkdown>.
- Xie, Yihui, Christophe Dervieux, and Emily Riederer. 2020. *R Markdown Cookbook*. Boca Raton, Florida: Chapman; Hall/CRC. <https://bookdown.org/yihui/rmarkdown-cookbook>.
- Zeileis, Achim, and Torsten Hothorn. 2002. “Diagnostic Checking in Regression Relationships.” *R News* 2 (3): 7–10. <https://CRAN.R-project.org/doc/Rnews/>.
- Zhu, Hao. 2021. *kableExtra: Construct Complex Table with 'Kable' and Pipe Syntax*. <https://CRAN.R-project.org/package=kableExtra>.