

# report: Automated Reporting of Results and Statistical Models in R

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**Software**

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## Summary

The `{report}` package for the R programming language ([R Core Team, 2021](#)) provides

## Statement of Need

The `{report}` package is part of `{easystats}`, a collection of R packages designed to make statistical analysis easier (Ben-Shachar et al. (2020), Lüdecke et al. (2020), Lüdecke, Ben-Shachar, et al. (2021), Lüdecke, Patil, et al. (2021), Lüdecke et al. (2019), Makowski et al. (2019), Makowski et al. (2020), Patil et al. (2022)).

## Features

## Licensing and Availability

`{report}` is licensed under the GNU General Public License (v3.0), with all source code openly developed and stored on GitHub (<https://github.com/easystats/report>), along with a corresponding issue tracker for bug reporting and feature enhancements. In the spirit of honest and open science, we encourage requests, tips for fixes, feature updates, as well as general questions and concerns via direct interaction with contributors and developers.

## Acknowledgments

`{report}` is part of the collaborative `easystats` ecosystem. Thus, we thank the [members of easystats](#) as well as the users.

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\*Brenton Wiernik is currently an independent researcher and Research Scientist at Meta, Demography and Survey Science. The current work was done in an independent capacity.

## References

- Ben-Shachar, M. S., Lüdecke, D., & Makowski, D. (2020). effectsize: Estimation of effect size indices and standardized parameters. *Journal of Open Source Software*, 5(56), 2815. <https://doi.org/10.21105/joss.02815>
- Lüdecke, D., Ben-Shachar, M. S., Patil, I., & Makowski, D. (2020). Extracting, computing and exploring the parameters of statistical models using R. *Journal of Open Source Software*, 5(53), 2445. <https://doi.org/10.21105/joss.02445>
- Lüdecke, D., Ben-Shachar, M. S., Patil, I., Waggoner, P., & Makowski, D. (2021). performance: An R package for assessment, comparison and testing of statistical models. *Journal of Open Source Software*, 6(60), 3139. <https://doi.org/10.21105/joss.03139>
- Lüdecke, D., Patil, I., Ben-Shachar, M. S., Wiernik, B. M., Waggoner, P., & Makowski, D. (2021). see: An R package for visualizing statistical models. *Journal of Open Source Software*, 6(64), 3393. <https://doi.org/10.21105/joss.03393>
- Lüdecke, D., Waggoner, P., & Makowski, D. (2019). insight: A unified interface to access information from model objects in R. *Journal of Open Source Software*, 4(38), 1412. <https://doi.org/10.21105/joss.01412>
- Makowski, D., Ben-Shachar, M. S., & Lüdecke, D. (2019). bayestestR: Describing effects and their uncertainty, existence and significance within the Bayesian framework. *Journal of Open Source Software*, 4(40), 1541. <https://doi.org/10.21105/joss.01541>
- Makowski, D., Ben-Shachar, M. S., Patil, I., & Lüdecke, D. (2020). Methods and algorithms for correlation analysis in R. *Journal of Open Source Software*, 5(51), 2306. <https://doi.org/10.21105/joss.02306>
- Patil, I., Makowski, D., Ben-Shachar, M. S., Wiernik, B. M., Bacher, E., & Lüdecke, D. (2022). datawizard: An R package for easy data preparation and statistical transformations. *Journal of Open Source Software*, 7(78), 4684. <https://doi.org/10.21105/joss.04684>
- R Core Team. (2021). *R: A language and environment for statistical computing*. R Foundation for Statistical Computing. <https://www.R-project.org/>