

Daniël Lakens

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Mini-Bio: Daniël Lakens is an Associate Professor in the Human-Technology interaction group at Eindhoven University of Technology (TU/e). His areas of expertise include meta-science, research methods and applied statistics. Lakens' main lines of empirical research focus on conceptual thought, similarity, and meaning. He also focuses on how to design and interpret studies, applied (meta)-statistics, and reward structures in science. A large part of his work deals with developing methods for critically reviewing and optimally structuring studies. His [blog on methods and statistics can be found here](#), and he regularly teaches workshops on methods and statistics to scientists across the globe, science journalists (e.g., Persgroep, NOS), and at data science companies (e.g., Booking.com, Trivago). In the last few years Lakens developed an interest in the importance of (preferably [pre-registered](#)) replications and ways to [improve how we interpret and design studies](#). Lakens argues that we can try a little harder to make science as open and robust as possible, and give the tax payer as much value for money as we can.

SELECTED PUBLICATIONS:

- The Value of Preregistration for Psychological Science: A Conceptual Analysis. Lakens, D. *Japanese Psychological Review*. 2019. <https://doi.org/10.31234/osf.io/jbh4w>
- The practical alternative to the p-value is the correctly used p-value. Lakens, D. *PsyArXiv*. 2019.
- Making 'null effects' informative: statistical techniques and inferential frameworks. Harms, C.; and Lakens, D. *Journal of Clinical and Translational Research*, 3(Suppl 2): 382-393. July 2018. <https://doi.org/10.18053/jctres.03.2017S2.007>
- Too True to be Bad: When Sets of Studies With Significant and Nonsignificant Findings Are Probably True. Lakens, D.; and Etz, A. J. *Social Psychological and Personality Science*, 8(8): 875-881. 2017. <https://doi.org/10.1177/1948550617693058>
- On the reproducibility of meta-analyses: six practical recommendations. Lakens, D.; Hilgard, J.; and Staaks, J. *BMC Psychology*, 4: 24. 2016. <https://doi.org/10.1186/s40359-016-0126-3>
- What p-hacking really looks like: A comment on Masicampo and LaLonde (2012). Lakens, D. *The Quarterly Journal of Experimental Psychology*, 68(4): 829-832. 2015. [doi: 10.1080/17470218.2014.982664](https://doi.org/10.1080/17470218.2014.982664).