

Richard Klein

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Positions

Clinical Data Scientist

2019-2023

Office of New Drugs, Food and Drug Administration, Silver Spring, Maryland

- Develop Safety Data Review Plans for New Drug Applications and analyze data from clinical trials for safety signals prior to drug approval

Researcher

2019-2023

Tilburg University, Department of Methodology and Statistics, Tilburg, the Netherlands

- Metascience research about bias in the publication process and reproducibility of results

Postdoctoral Researcher

2018-2019

Université Grenoble Alpes, LIP/PC2S, Grenoble, France

- Social psychology research with an emphasis on methods and data science

Education

Ph.D. in Psychology

Aug 2017

University of Florida, Gainesville, FL

M.S. in Psychology

May 2014

University of Florida, Gainesville, FL

BS in Psychology, BS in Finance

May 2011

Pennsylvania State University, University Park, PA

Peer Reviewed Publications

(* indicates undergraduate author)

Wicherts, J., **Klein, R. A.**, Swaans, S., Maassen, E., Stoevenbelt, A., ... & Ruffer, F. (2022). How to Protect Privacy in Open Data. *Nature Human Behaviour*. DOI: <https://doi.org/10.1038/s41562-022-01481-w>

Kakinohana, R. K., **Klein, R. A.**, & Pilati, R. (2022). Does anchoring vary across cultures? Expanding the Many Labs analysis. *European Journal of Social Psychology*. DOI: <https://doi.org/10.1002/ejsp.2924>

Hoogeveen, S., Sarafoglou, A., Aczel, B., Aditya, Y., Alayan, A. J., ... **Klein, R. A.** ... & Nilsonne, G. (2022). A many-analysts approach to the relation between religiosity and well-being. *Religion, Brain & Behavior*. DOI: <https://doi.org/10.1080/2153599X.2022.2070255>

Kryptos, A. M., **Klein, R. A.**, & Jong, J. (2022). Resolving religious debates through a multiverse approach. *Religion, Brain & Behavior*. DOI: <https://doi.org/10.1080/2153599X.2022.2070261>

Klein, R. A., Cook, C. L., Ebersole, C. R., Vitiello, C., Nosek, B. A., Hilgard, J., ... & Ratliff, K. A. (2022). Many Labs 4: Failure to replicate mortality salience effect with and without original author involvement. *Collabra: Psychology*, 8(1), 35271. DOI: <https://doi.org/10.1525/collabra.35271>

Sarda, E., **Klein, R. A.**, Dujols, O., & IJzerman, H. (2021). Validation of the ISP131001 Sensor for Mobile Peripheral Body Temperature Measurement. *International Review of Social Psychology*, 34(1), 12. DOI: <http://doi.org/10.5334/irsp.409>

Moshontz, H., Ebersole, C. R., Weston, S. J., & **Klein, R. A.** (2021). A Guide for Many Authors: Writing Manuscripts in Large Collaborations. *Social and Personality Psychology Compass*. <https://doi.org/10.1111/spc3.12590>

Vergara, R. C., Hernández, C., Jaume-Guazzini, F., Lindenberg, S., **Klein, R. A.**, & IJzerman, H. (2019). Development and Validation of the Social Thermoregulation and Risk Avoidance Questionnaire (STRAQ-1). *International Review of Social Psychology*, 32(1), 18. <http://doi.org/10.5334/irsp.222>

Conway, M. A., O'Shea, B., Redford, L., Pogge, G., **Klein, R. A.**, & Ratliff, K. A. (2019). Can Carelessness Be Captured? Assessing Careless Responding in Attitudes Toward Novel Stimuli. *Social Cognition*, 37(5), 468-498. <https://doi.org/10.1521/soco.2019.37.5.468>

Klein, R. A., Vianello, M., Hasselman, F., Adams, B. G., Adams, R. B., Alper, S., ... Nosek, B. A. (2018). Many Labs 2: Investigating variation in replicability across samples and settings. *Advances in Methods and Practices in Psychological Science*, 1(4), 443-490. <https://doi.org/10.1177/2515245918810225>

- Research covered by [Nature](#), [The Atlantic](#), and others.

Bastart, J., **Klein, R. A.**, IJzerman, H., (2018). Replication initiatives in psychology. *Oxford Bibliographies in Psychology*. <https://doi.org/10.1093/OBO/9780199828340-0212>

Milfont, T. L., **Klein, R. A.** (2018). Replication and reproducibility in cross-cultural psychology. *Journal of Cross-Cultural Psychology*, 49(5), 735-750. <https://doi.org/10.1177/0022022117744892>

Ebersole, C. R., Atherton, O. E., Belanger, A. L., Skulborstad, H. M., Allen, J. M., ... **Klein, R. A.**, ... Nosek, B. A. (2016). Many Labs 3: Evaluating participant pool quality across the academic semester via replication. *Journal of Experimental Social Psychology*. <https://doi.org/10.1016/j.jesp.2015.10.012>

Lai, C. K., Skinner, A. L., Cooley, E., Murrar, S., Brauer, M., ... **Klein, R. A.**, ... Nosek, B. A. (2016). Reducing implicit racial preferences: II. Intervention effectiveness across time. *Journal of Experimental Psychology: General*, 145, 1001-1016. <https://doi.org/10.1037/xge0000179>

Klein, R. A., Ratliff, K. A., Vianello, M., Adams, R. B., Jr., Bahník, S., Bernstein, M. J., Bocian, K., ... Nosek, B. A. (2014). Data from investigating variation in replicability: A “many labs” replication project. *Journal of Open Psychology Data*, 2(1): e4. <http://dx.doi.org/10.5334/jopd.ad>

Klein, R. A., Ratliff, K. A., Vianello, M., Adams, R. B., Jr., Bahník, S., Bernstein, M. J., Bocian, K., ... Nosek, B. A. (2014). Theory building through replication: Response to commentaries on the “many labs” replication project. *Social Psychology*, 45(4): 307-310. <https://doi.org/10.1027/1864-9335/a000202>

Klein, R. A., Ratliff, K. A., Vianello, M., Adams, R. B., Jr., Bahník, S., Bernstein, M. J., Bocian, K., ... Nosek, B. A. (2014). Investigating variation in replicability: A “many labs” replication project. *Social Psychology*, 45(3): 142-152. <https://doi.org/10.1027/1864-9335/a000178>

- Research covered by [Nature](#), [Science magazine](#), [National Geographic](#), and others.

Organized Conferences, Symposia, and Workshops

Klein, R. A., Balzarini, R., IJzerman, H., Sarda, E., Kaufman, M. (2019). EASP Technology and Relationships Conference and Facebook+AdopteUnMec Hackathon. Annecy, France. <https://web.archive.org/web/20190916124841/https://techandrelationships.org/>

Klein, R. A. (2019). Open Science Toolbox: Leveraging Methodological Reforms to Accelerate Research. Symposium organized for the International Convention of Psychological Science, Paris, France. Speakers: **Richard Klein**, Ben Jones, Lisa DeBruine, Niamh Stack. <https://osf.io/tve2q/>

IJzerman, H. I., Ric, F., **Klein, R. A.** (2018). RKTS Solid Science Training Workshop in Bordeaux, France. Speakers: Michèle Nuijten, Fieke Wagemans, Marco Perugini, **Richard Klein**, Kai Jonas, Frederik Aust,

Benedict Jones. <https://osf.io/gvkxn/>

Klein, R. A. (2014). Reproducibility in Psychology: Understanding and Improving Your Odds. Symposium organized for the annual meeting of the Society of Southeastern Social Psychologists, Athens, GA. Speakers: Gregory Webster, **Richard Klein**, Chris Martin.

Talks

Klein, R. A. (2021). Privacy Risks in Open Datasets. Talk presented at the Metascience 2021 conference, organized online. Slides: <https://osf.io/b564v/> Video: <https://youtu.be/w4oJo-Z6epU>

Klein, R. A. (2020). Many Labs 4: Conducting replications of mortality salience with and without original author involvement. Talk presented at the Society for Personality and Social Psychology annual conference, New Orleans, Louisiana, USA. <https://osf.io/bgh48/>

Klein, R. A. (2019). An Overview of Workflow Management: Using the Open Science Framework. Workshop presented as part of the Open Science Workshop, Grenoble, France. <https://osf.io/nxem8/>

Klein, R. A. (2019). Welcome to the era of big psychology. Invited workshop presented as part of the Machine Learning: Applications to Clinical and Psychological Research Workshop, Rovereto, Italy. <https://github.com/raklein/presentation-rep-machine-learning-rovereto>

Klein, R. A. (2019). Many Labs 2: Investigating variation in replicability across sample and setting. Talk presented at the International Convention of Psychological Science, Paris, France. <https://github.com/raklein/presentation-icps2019-ml2>

Klein, R. A. (2019). Walking through Many Labs 4 to show how R can make complex analyses easier. Workshop recorded for Pacific Lutheran University, Tacoma, Washington, USA.

Klein, R. A. (2019). Many Labs 2: Investigating replicability across samples and settings. Talk presented at the Society for Personality and Social Psychology annual conference, Portland, Oregon, USA. <https://github.com/raklein/presentation-spsp2019-ml2>

Klein, R. A. (2018). Many Labs 2: Investigating variation in replicability across samples and settings. Talk presented at the Integrity and Sharing of Science: Research Data seminar, Grenoble, France. <https://github.com/raklein/presentation-datadoct2018-ml2>

Klein, R. A. (2018). Introduction to concepts in deep learning and cross-validation. Workshop session presented at the RKTs Solid Science Training Workshop in Bordeaux, France. <https://osf.io/ya2n8/>

Klein, R. A. (2018). Many Labs 2: Investigating variation in replicability across samples and settings. Talk presented at the 20th ESCON Transfer of Knowledge Conference, Cologne, Germany. <https://osf.io/vznpi/>

Klein, R. A. (2015). Replication in psychology: How sensitive are our findings? Invited talk presented at the Victoria University of Wellington Psychology Colloquium Series, Wellington, New Zealand. <https://osf.io/m8u9b/>

Klein, R. A. (2015). Many Labs 2: Investigating variation in replicability across samples and settings. Invited talk presented at the 95th Annual Convention of the Western Psychological Association, Las Vegas, NV. <https://osf.io/43h9x/>

Klein, R. A. (2014). Crowdsourcing research to increase reproducibility, generalizability, and accuracy. Talk presented at the annual meeting of the Society of Southeastern Social Psychologists, Athens, GA. <https://osf.io/qtr7a/>

Discussion Panels

Baranski, E., Weston, S. (2019). Lifespan pre-conference open science discussion. Discussion panel presented at the Lifespan Preconference of the Society for Personality and Social Psychology annual conference,

Portland, Oregon, USA.

Panelists: Charles Ebersole, **Richard Klein**, Jessie Sun, Cassie Brandes, Alex Danvers, Ted Schwaba

Grahe, J., (2015). Emerging adulthood measured at multiple institutions: A new model to study emerging adulthood. Discussion panel presented at the Society for the Study of Emerging Adulthood 7th Biennial Conference, Miami, FL.

Panelists: **Richard Klein**, Tanya Sharon, Scott Hall

Klein, R. A. (2015). Networking: Online and in-person. Talk and panel discussion presented at the Psychology Graduate Student Organization Professional Development Seminar, Gainesville, FL.

Poster Presentations

Klein, R. A. (2017). *"Many labs" and communication in replication*. Poster presented at the Eighteenth Annual Meeting of the Society for Personality and Social Psychology, San Antonio, TX.

Bland, D.*, Grahe, J., **Klein, R. A.** (2015). *Disgust sensitivity and judgements of intentions as part of the Many Labs 2 project*. Poster presented at the 95th Annual Convention of the Western Psychological Association, Las Vegas, NV.

Coddington, K.*, Gervais, H.*, Grahe, J., **Klein, R. A.** (2015). *Replication examining moral typecasting effects as part of the Many Labs 2 project*. Poster presented at the 95th Annual Convention of the Western Psychological Association, Las Vegas, NV.

Grisham, E.*, Musselman, D.*, Barnette, T.*, Powers, M.*, Gonzalez, G.*, ... **Klein, R. A.**, ... Redford, L. (2015). *Implicit preference for White people over Black people decreases with repeated Implicit Association Tests (IATs)*. Poster presented at the Undergraduate Research Forum, University of Florida Psychology Department, Gainesville, FL

Klein, R. A., Vianello, M., & Ratliff, K. A. (2015). *Attention checking the "Many Labs" participants: Did participant attention moderate the included effects?*. Poster presented at the Sixteenth Annual Meeting of the Society for Personality and Social Psychology, Long Beach, CA.

Klein, R. A., & Ratliff, K. A. (2014). *Context effects in implicit and explicit evaluation*. Poster presented at the Fifteenth Annual Meeting of the Society for Personality and Social Psychology, Austin, TX.

Collisson, B. & **Klein, R. A.** (2012). *Personality correlates of social inference*. Poster presented at the Meeting of the Society of Southeastern Social Psychologists, Gainesville, FL.

Research Experience

Postdoctoral Researcher

2019 - 2023

Metascience Group, Tilburg University

- PIs: Dr. Jelte Wicherts, Dr. Marjan Bakker
- Led a team of up to 22 members in identifying flaws in research processes and methods to ensure the accuracy and value of outputs and conclusions
- Assessed privacy risks in 2K+ research datasets through analysis and evaluation to determine that 5-10% contained addressable privacy concerns
- Delivered essential content matter to secure a €50,000 grant to develop and implement an R package and web application to automatically detect and prevent privacy risks
- Created analysis protocols for multi-verse analysis of 100+ projects utilizing 1,000+ simultaneous analysis pipelines to create a more robust understanding of the data while reducing bias

Postdoctoral Researcher

2018 - 2019

Coregulation Lab, Université Grenoble Alpes

- PI: Dr. Hans IJzerman

- Conducted research on romantic couples to discover reciprocal trends in behavior predicting relationship satisfaction by employing surveys and physiological sensors paired with linear mixed effects models
- Verified research methods and data throughout the lab group to bolster the value of published insights and outputs
- Provided instruction to senior-level bachelor students in Introduction to Research and Data Analysis and master-level students on The Psychology of Performance

Research Coordinator

2013 - 2017

Project Implicit, implicit.harvard.edu

- Strengthened overall performance by monitoring data quality, testing research tools, and debugging code across a site generating 90k visitors monthly
- Increased interactive user experience metrics and reduced attrition by up to 30% through innovative site changes and process improvements
- Collaborated with developers to implement functional site changes based on user feedback and content performance to boost validity of study results
- Liaised between development team, project managers, and leadership to communicate needs, capabilities, and feasibility of proposed projects or site changes resulting in greater clarity and understanding across groups

Researcher

2012 - 2017

Attitudes and Social Cognition Lab, University of Florida

- PI: Dr. Kate Ratliff
- Oversaw multiple large-scale projects by coordinating 270+ researchers across 33 countries
- Developed an innovative multi-lab research strategy testing the effectiveness of insights across international contexts by assessing 40+ foundational psychological theories
- Designed, executed, and analyzed over 60 psychological experiments driving data from over 23k participants

Undergraduate Research Assistant

2011 - 2012

Social Vision and Interpersonal Perception Lab, Penn State

- PI: Dr. Reginald Adams

Teaching Experience

Instructor

Université Grenoble Alpes

- Introduction à la Recherche et Analyse des Données Spring 2019
 - Upper level undergraduate research methods course.

Instructor

University of Florida

- PSY2012 - Introduction to Psychology (x2) Fall 2014, Summer 2015
 - Overall evaluation: 4.42/5

Teaching Assistant

University of Florida

- PSY4625 – Psychology of Pseudoscience Spring 2017
- SOP4214C – Research Methods in Social Psychology Fall 2016
- PSY4930 – Psychology of Public Policy Summer 2014
- SOP3004 – Introduction to Social Psychology (x3) Fall 2013, Spring 2014, Spring 2015

Teaching Assistant

Pennsylvania State University

- PSYCH105 – Psychology as a Science and Profession Spring 2012
- PSYCH261 – Introduction to the Psychology of Learning Spring 2012
- PSYCH243 – Introduction To Well-Being And Positive Psychology (x2) Fall 2011, Spring 2012
- PSYCH100 – Introductory Psychology (x4) Fall 2011

Supervised Theses

- Olivier Dujols, Doctoral Dissertation, Université Grenoble Alpes 2023 (expected)
- Donovan Ellis, Undergraduate Thesis, University of Florida, awarded Highest Distinction 2015

Awards, Honors, Service

- Peer-reviewed for:
 - *Advances in Methods and Practices in Psychological Science*
 - *American Journal of Political Science*
 - *Collabra: Psychology*
 - *eLife*
 - *Frontiers in Psychology*, Review Editor 2017 - 2018
 - *Journal of Social Psychology*
 - *PLOS ONE*
 - *Social Cognition*
 - *Social Psychological and Personality Science*
 - *Templeton World Charity Foundation*
 - *The Spanish Journal of Psychology*
 - *The European Association of Social Psychology*
 - *Perspectives on Psychological Science*
 - *Psychological Science*
 - *The International Review of Social Psychology*, Editorial Board 2019 - 2020
- Open Science Fund Grant, Dutch Research Council (€50,000) 2021
- Commendation from the Society for the Improvement of Psychological Science 2020
- Served on SPSP Task Force implementing Transparency and Openness Promotion guidelines 2020
- Gerber Social Psychology Outstanding Research Award (\$1,000) 2016
- Incubator Grant, Center for Open Science (\$13,500) 2015
- Travel Award, UF Department of Psychology (\$500) 2015
- Travel Award, UF College of Liberal Arts and Sciences (\$300) 2015
- Travel Award, Society for Personality and Social Psychology (\$500) 2015
- Advisory Board Member, CREP Project 2014 – 2016
- Graduate School Fellowship, University of Florida (\$80,000) 2012 – 2016
- Dean's List, Pennsylvania State University 2007 – 2011

Relevant Skills

- **Statistical programs:** R/R Studio/RMarkdown, SPSS, JASP
- **Statistical techniques:** Linear/logistic/multiple regression, correlation, ANOVA, linear mixed models, factor analysis, meta-analysis, machine learning/deep learning
- **Other tools:** Open Science Framework, MS Excel/Word/PowerPoint, Google Sheets/Docs/Forms, Qualtrics Survey Software, Git/GitHub, SQL
- **Languages:** English (native), French (intermediate)