Contact information

Department of Psychology
108 E Dean Keaton Street (SEA 4.318)
University of Texas at Austin
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Employment history

2022 – present	**Assistant Professor of Instruction**, Department of Psychology
	University of Texas at Austin
2020 – 2021	**Teaching Associate**, Department of Cognitive Sciences
	University of California, Irvine

Education

2022	**PhD in Cognitive Sciences**
	University of California, Irvine
2020	**MS in Statistics**
	University of California, Irvine
2013	**BA in Psychology**
	Minor: Mind-Brain Studies
	The George Washington University

Professional memberships (past and present)

>   Member of the American Statistical Association
>   Member of the Society for Mathematical Psychology
>   Member of the Psychonomic Society
>   Member of the Association for Psychological Science
>   Member of the Society for the Improvement of Psychological Science
>   Member of the Society for Personality and Social Psychology

Research

RESEARCH INTERESTS

Bayesian statistics   Computational methods
Cognitive modeling   Model complexity
Robust science   Causal inference

EXTRAMURAL GRANTS

June 2018	National Science Foundation: Graduate Research Opportunities Worldwide (Amsterdam). 3 months. $5,000 + €4,500
April 2016	National Science Foundation: Graduate Research Fellowship Award (DGE-1321846). 36 months. $132,000

INTRAMURAL GRANTS

June 2021	UCI School of Social Sciences: Graduate Dean's Dissertation Fellowship. $5,000
2016 – 2021	UCI: Provost PhD Fellowship. $20,000
July 2016	UCI School of Social Sciences: Graduate Dean Recruitment Fellowship. $10,000
2016 – 2021	UCI School of Social Sciences: Merit Fellowship. $18,000
May 2012	The George Washington University Columbian College of Arts and Sciences: Luther Rice Undergraduate Research Fellowship. $5,000
May 2010	The George Washington University: Alumni Award. $1,000

PROFESSIONAL RECOGNITIONS

April 2018	*UCI Department of Logic and Philosophy of Science*'s Justine Lambert Graduate Prize in the Foundations of Science. Awarded for "J.B.S. Haldane's contribution to the Bayes factor hypothesis test" published in *Statistical Science* ($1,000)

SELECTED PRESENTATIONS

Etz, A. (2023). *JASP: A fresh way to do statistics.* Invited online presentation for Hull York Medical School, York University (York, UK).

Villarreal, J. M. (presenter), **Etz, A.**, Lee, M. D. (2022). *A measure of model falsifiablity based on the surprisingness of outcomes.* Paper presented at the Annual Meeting of the Society for Mathematical Psychology

Coon, J. (presenter), **Etz, A.**, Scontras, G., Sarnecka, B. W. (2022). *Adjusting the use of generalizations based on audience expertise.* Paper presented at the Annual Meeting of the Cognitive Science Society

Coon, J. (presenter), **Etz, A.**, Scontras, G., Sarnecka, B. W. (2021). *Esports as a microcosm for studying psycholinguistics.* Paper presented at the UCI Esports conference

Coon, J. (presenter), **Etz, A.**, Scontras, G., Sarnecka, B. W. (2021). *Experts interpret generalizations differently than novices.* Paper presented at the Annual Meeting of the Cognitive Science Society

Villarreal, J. M. (presenter), **Etz, A.**, Lee, M. D. (2021). *An integrated measure of model complexity.* Paper presented at the Annual Meeting of the Society for Mathematical Psychology

Coon, J. (presenter), **Etz, A.**, Scontras, G., Sarnecka, B. W. (2020). *Experts interpret generalizations differently than novices.* Paper presented at the Annual Meeting of the Society for Philosophy and Psychology

Villarreal, J., M. (presenter), Lee, M. D., **Etz, A.** (2020). *Prior predictive entropy as a measure of model complexity.* Paper presented at the Annual Meeting of the Society for Mathematical Psychology (Virtual)

PUBLISHED WORK

27. **Etz, A.**, Chavez de la Peña, A., Baroja, L., Medriano, K., Vandekerckhove, J. (in press). The HDI+ROPE decision rule is incoherent but we can fix it. *Psychological Methods.*

26. Villarreal, M., **Etz, A.**, Lee, M. D. (2023). Evaluating the Complexity and Falsifiability of Psychological Models. *Psychological Review.* https://psycnet.apa.org/doi/10.1037/rev0000421. Preprint: https://doi.org/10.1177/2515245920972624

25. Coon, J., **Etz, A.**, Scontras, G., Sarnecka, B.W. (2023). Esports as a cultural microcosm for studying psycholinguistics. *Games & Culture.* https://doi.org/10.1177/15554120231164554

24. **Etz, A.**, Goodman, S. N., Vandekerckhove, J. (2022). Statistical Inference in Behavioral Research: Traditional and Bayesian Approaches, In Jussim, L., Stevens, S. T., Krosnick, J. A. (Eds.) *Research Integrity in the Behavioral Sciences*, Oxford University Press.
Preprint: https://escholarship.org/uc/item/3bn356vg

23. Dablander, F., Huth, K., Gronau, Q. F., **Etz, A.**, Wagenmakers, E. J. (2022). A puzzle of proportions: Two popular Bayesian tests can yield dramatically different conclusions. *Statistics in Medicine.* Preprint: https://arxiv.org/abs/2108.04909.

22. Van Ravenzwaaij, D. & **Etz, A.**(2021). Simulation studies as a tool to understand Bayes factors. *Advances in Methods and Practices in Psychological Science.* Preprint: https://psyarxiv.com/27ndb/

21. Coon, J., **Etz, A.**, Scontras, G., Sarnecka, B. (2021). Experts interpret generalizations differently than novices. *Proceedings of the 43rd Annual Conference of the Cognitive Science Society.* https://escholarship.org/uc/item/57r2d04j

20. Van Doorn, J., van den Bergh, D., Bohhm, U., Dablander, F., Derks, K., Draws, T., **Etz, A.,** Evans, N. J., Gronau, Q. F., Hinne, M., Kucharsky, S., Ly, A., Marsman, M., Matzke, D., Raj, A., Sarafoglou, A., Stefan, A., Voelkel, J. G., Wagenmakers, E.-J. (2020). The JASP guidelines for conducting and reporting a Bayesian analysis. *Psychonomic Bulletin & Review.* https://doi.org/10.3758/s13423-020-01798-5. Preprint: https://psyarxiv.com/yqxfr/

19. Wagenmakers, E.-J., Gronau, Q. F., Dablander, F., **Etz, A.** (2020). The support interval. https://doi.org/10.1007/s10670-019-00209-z *Erkenntnis.* Preprint: https://psyarxiv.com/zwnxb/

18. Crüwell, S., van Doorn, J., **Etz, A.**, Makel, M. C., Mosontz, H., Niebaum, J. C., Orben, A., Parsons, S., Schulte-Mecklenbeck, M. (2019). 7 Easy Steps to Open Science: An Annotated Reading List. https://doi.org/10.1027/2151-2604/a000387 *Zeitschrift für Psychologie* 227, 237-248. Preprint: https://psyarxiv.com/cfzyx/

17. Vandekerckhove, J., White, C. N., Trueblood, J. S., Rouder, J. N., Matzke, D., Leite, F., **Etz, A.**, Donkin, C., Devezer, B., Criss, A., Lee, M. D. (2019). Robust diversity in cognitive science. *Computational Brain & Behavior* 2(3-4), 271-276. https://doi.org/10.1007/s42113-019-00066-7. Preprint: https://psyarxiv.com/6bu7s

16. Lee, M. D., Criss, A., Devezer, B., Donkin, C., **Etz, A.**, Leite, F., Matzke, D., Rouder, J. N., Trueblood, J. S., White, C. N., Vandekerckhove, J. (2019). Robust modeling in cognitive science. *Computational Brain & Behavior* 2(3-4), 141-153. doi.org/10.1007/s42113-019-00029-y Preprint: https://psyarxiv.com/dmfhk

15. Ly., A., **Etz, A.**, Marsman, M., Wagenmakers, E.-J. (2019). Replication Bayes factors from Evidence Updating. *Behavior Research Methods* 51, 2498-2508. doi.org/10.3758/s13428-018-1092-x Preprint: https://psyarxiv.com/u8m2s/

14. **Etz, A.**, Haaf, J. M., Rouder, J. N., Vandekerckhove, J. (2018). Bayesian inference and testing any hypothesis you can specify. *Advances in Methods and Practices in Psychological Science*, 1(2), 281–295. doi.org/10.1177/2515245918773087. Preprint: https://psyarxiv.com/wmf3r/

13. **Etz, A.** (2018). Introduction to the concept of likelihood and its applications. *Advances in Methods and Practices in Psychological Science* 1(1), 60–69. doi.org/10.1177/2515245917744314 Preprint: https://psyarxiv.com/85ywt

12. **Etz, A.**, Gronau, Q. F., Dablander, F., Edelsbrunner, P. A., Baribault, B. (2018). How to become a Bayesian in eight easy steps: An annotated reading list. *Psychonomic Bulletin & Review* 25(1), 219–234. doi.org/10.3758/s13423-017-1317-5. Preprint: http://tinyurl.com/eightstepsV1

11. **Etz, A.** & Vandekerckhove, J. (2018). Introduction to Bayesian inference for psychology. *Psychonomic Bulletin & Review* 25(1), 5–34. doi.org/10.3758/s13423-017-1262-3. Preprint: https://osf.io/preprints/psyarxiv/q46q3

10. Zwaan, R. A., **Etz, A.**, Lucas, R. E., Donnellan, M. B. (2018). Improving Social and Behavioral Science By Making Replication Mainstream: A Response to Commentaries. *Behavioral and Brain Sciences* 41, e120. doi.org/10.1017/S0140525X18000961 Preprint: https://psyarxiv.com/ak9x3/

9. Zwaan, R. A., **Etz, A.**, Lucas, R. E., Donnellan, M. B. (2018). Making replication mainstream. *Behavioral and Brain Sciences* 41, e120. doi.org/10.1017/S0140525X17001972 Preprint: https://psyarxiv.com/4tg9c

8. Saunders, B., Milyavskaya, M., **Etz, A.**, Randles, D., Inzlicht, M. (2018). Reported Self-control is not Meaningfully Associated with Inhibition-related Executive Function: A Bayesian Analysis. *Collabra: Psychology* 4(1), 39. Open access: http://doi.org/10.1525/collabra.134 Supplementary materials and code: https://osf.io/n5rmy/

7. Ly, A., Raj, A., **Etz, A.**, Marsman, M., Gronau, Q. F., Wagenmakers, E.-J. (2018). Bayesian Reanalyses from Summary Statistics: A Guide for Academic Consumers. *Advances in Methods and Practices in Psychological Science*, 1(3), 367–374. Open access: doi.org/10.1177/2515245918779348

6. Wagenmakers, E.-J., Love, J., Marsman, M., Jamil, T., Ly, A., Verhagen, J., Selker, R., Gronau, Q. F., Dropmann, D., Boutin, B., Meerho1, F., Knight, P., Raj, A., van Kesteren, E.-J., van Doorn, J., Smira, M., Epskamp, S., **Etz, A.**, Matzke, D., Rouder, J. N., Morey, R. D. (2018). Bayesian Inference for Psychology. Part II: Example Applications with JASP. *Psychonomic Bulletin & Review* 25(1), 58–76. Open access: doi.org/10.3758/s13423-017-1323-7

5. Lakens, D. & **Etz, A.** (2017). Too True to be Bad: When Sets of Studies with Significant and Non-Significant Findings Are Probably True. *Social Psychological and Personality Science* 8(8), 875–881. Open access: doi.org/10.1177/1948550617693058

4. **Etz, A.** & Wagenmakers, E.-J. (2017). J. B. S. Haldane's Contribution to the Bayes Factor Hypothesis Test. *Statistical Science* 32(2), 313-329. Open access: doi.org/10.1214/16-STS599

3. **Etz, A.** & Vandekerckhove, J. (2016). A Bayesian perspective on the Reproducibility Project: Psychology. *PLoS ONE* 11(2): e0149794. Open access: doi.org/10.1371/journal.pone.0149794
Included in *PLoS Biology*'s collection on meta-science: http://collections.plos.org/meta-research/
Code at: bbc.cidlab.com/

2. Holcombe A. O., Brown N. J., Goodbourn P. T., **Etz, A.**, Geukes S. (2016). Does sadness impair color perception? Flawed evidence and faulty methods. *F1000Research*. Open access: doi.org/10.12688/f1000research.9202.1

1. Subiaul, F., Krajkowski, E., Price, E., & **Etz, A.** (2015). Imitation by combination: Preschool age children evidence summative imitation in a novel problem-solving task. *Frontiers in Psychology*, 6. Open access: doi.org/10.3389/fpsyg.2015.01410

SOFTWARE

Etz, A. & Vandekerckhove, J. (2017). Build-A-Bayes [Educational online app]. Available via osf.io/mvp53

DISSERTATION

Etz, A. (2021). Critical considerations on certain practices in psychological science. Unpublished doctoral dissertation.

OTHER PUBLICATIONS

Etz, A. (2018). Technical Notes on Kullback-Leibler Divergence. Available at: https://psyarxiv.com/5vhzu

Etz, A. (2015). Using Bayes factors to get the most out of linear regression: A practical guide using R. Available at: http://tinyurl.com/BayesLinReg

Etz, A. (2015). Confidence intervals? More like confusion intervals. Available at https://featuredcontent.psychonomic.org/confidence-intervals-more-like-confusion-intervals/

MEDIA

– I maintain **alexanderetz.com** as a personal blog and to distribute research results and publications.

– I co-host **The Bayes Factor** with J.P. de Ruiter, a podcast on Bayesian inference and the people behind it. Available at: https://sites.tufts.edu/hilab/series/the-bayes-factor/

Service

Graduate advising

2022 – present	Katherine Williams (committee member)

Departmental service

2023 summer	Organizer/Instructor of Crash Course on Causal Inference
2022 – present	Member of Data Science Task Force
2022 – present	Departmental Statistics Support

UT Teaching

Undergraduate	**PSY120R** R Programming for the Behavioral Sciences
	PSY317L Introduction to Statistics for the Behavioral Sciences
	PSY341K Bayesian Data Analysis
	PSY420M Advanced Data Analysis and Methods for the Behavioral Sciences
Graduate	**PSY384M** Advanced Inferential Statistics
	PSY184R Data Analysis with R

External teaching

Mar. 2023	**Invited lecturer**, Pre-conference workshop for the Southwestern Psychological Association, "Data Science in Psychology" w/ Larry Cormack
2018 – 2020	**Invited lecturer & methodology mentor**, Annual one-week course by UK Reproducibility Network, "Advanced Methods for Reproducible Science"
2017 – 2019	**Teaching assistant**, One-week course by University of Amsterdam, "Annual JAGS and WinBUGs Workshop: Bayesian Modeling for Cognitive Science"
Apr. 2019	**Invited lecturer**, Workshop for the Western Psychological Association, "Theory and Practice of Bayesian inference using JASP"
Feb. 2017 & 2019	**Invited lecturer**, Workshop for the Society for Personality and Social Psychology, "Theory and Practice of Bayesian inference using JASP"
Mar. 2018	**Invited lecturer**, Famous scholar workshop at University of Groningen, "Getting started with Bayesian inference and analysis"
Sep. 2017	**Guest lecturer**, University of Amsterdam research masters class, "Bayesian Inference for Psychological Science"
May 2017	**Invited lecturer**, Workshop for the Psychology Statistics Club at University of Ottawa, "Foundations of Bayesian inference and analysis"
Sep. 2016	**Invited lecturer**, Webinar for the Open Science Foundation, "Introduction to JASP and OSF integration"
Mar. 2016	**Invited lecturer**, Inaugural Dutch 3TU H&T PhD Workshop, "Bayesian statistical concepts: A gentle introduction"
Jan. 2016	**Guest lecturer**, University of Amsterdam upper-level undergraduate course, "Introduction to Bayesian Statistics"

EDITORIAL AND AD-HOC REVIEWER SERVICE

2022 – present   **Editorial board member**, *Advances in Methods and Practices in Psychological Science*

Ad hoc reviewer for *Advances in Methods and Practices in Psychological Science*; *Behavior Research Methods*; *Collabra: Psychology*; *Computational Brain and Behavior*; *Cortex*; *Journal of Abnormal Psychology*; *Journal of Adolescence*; *Journal of Computer Assisted Learning*; *Journal of Consulting and Clinical Psychology*; *Journal of Experimental Psychology: General*; *Journal of Experimental Psychopathology*; *Journal of Experimental Social Psychology*; *Journal of Mathematical Psychology*; *Journal of Media Psychology*; *Journal of Personality and Social Psychology*; *Nature Communications*; *Nature Human Behavior*; *Perspectives on Psychological Science*; *PNAS Nexus*; *Psychological Methods*; *Psychonomic Bulletin and Review*; *Review of General Psychology*; *Science*; *Social Psychology and Personality Science*