

Benjamin R. Goldstein
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Education

UC Berkeley	Berkeley, CA, USA	Ecology (Ph.D.) Advisor: Dr. Perry de Valpine	Ongoing
American University	Washington, DC, USA	Environmental Science (BS) Philosophy (BA) Computer science (minor)	2018

Publications

- *S. Stoudt, ***B. R. Goldstein**, and P. de Valpine. 2021. Identifying charismatic bird species and traits with community science observations. *In review*. Preprint: <https://www.biorxiv.org/content/10.1101/2021.06.05.446577v1>
- Furnas, B. J., **B. R. Goldstein**, and P. J. Figura. 2021. Intermediate fire severity diversity promotes richness of forest carnivores in California. *Diversity and Distributions*: ddi.13374.
- Socolar, Y., **B. R. Goldstein**, P. de Valpine, and T. M. Bowles. 2021. Biophysical and policy factors predict simplified crop rotations in the US Midwest. *Environmental Research Letters* 16:054045.
- Geeraert, N., N. N. Duprey, S. E. McIlroy, P. D. Thompson, **B. R. Goldstein**, C. LaRoche, K. Kim, L. J. Raymundo, and D. M. Baker. 2020. The Anthropogenic Nitrogen Footprint of a Tropical Lagoon: Spatial Variability in *Padina* sp. $\delta^{15}\text{N}$ Values. *Pacific Science* 74:19.
- LaRoche, C. K., **B. R. Goldstein**, J. D. Cybulski, L. J. Raymundo, L. R. Aoki, and K. Kim. 2019. Decade of change in *Enhalus acoroides* seagrass meadows in Guam, Mariana Islands. *Marine and Freshwater Research* 70:246.

Software

- **Goldstein, B. R.**, Turek, D., Ponisio, L. C., & de Valpine, P. (2020). nimbleEcology: Distributions for Ecological Models in nimble (0.3.0) [Computer software]. <https://cran.r-project.org/package=nimbleEcology>

Relevant employment

Statistical Consultant, Land Core.

November 2021 - Present

- Design and implement a statistical model of risk-mitigating agricultural practices to inform insurers
- Work closely with the Risk Modeling Team to communicate statistical findings to stakeholders

Scientific Aid, California Department of Fish and Wildlife.

December 2020 - Present

- Design and implement statistical models for inference on wildlife distributions from camera trap data and communicate findings in publication
- Provide technical support for computational tasks related to wildlife monitoring

Fellowships

- National Science Foundation Graduate Research Fellow, 2020-2023
- Data Science for the 21st Century NSF Research Trainee, UC Berkeley 2018-2020
- Fulbright UK Summer Institute Awardee, University of Exeter, 2016

Presentations

- “Implementing common hierarchical statistical models in R with nimbleEcology.” The Wildlife Society, Reno, NV 2019
- “Seagrasses in Guam: A Decade of Change, 2004-2015.” Discover Science AU, Washington, DC 2016