

Tai Lohrer

🌐 tailohrer.github.io | ✉ tai.lohrer@wisc.edu | 📞 (+1) 312 539 0242

EDUCATION

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|----------------|---|------------|
| 2024 - Present | PhD, <i>Applied Economics</i> , University of Wisconsin—Madison | (—/4.0) |
| 2021 - 2022 | BSc (Hons), <i>Statistics</i> , University of Auckland
– First Class Honours | (8.1/9.0) |
| 2017 - 2021 | BA, <i>Economics</i> at the University of California, Berkeley
– High Distinction
– Phi Beta Kappa | (3.91/4.0) |

EXPERIENCE

- Project Associate, Energy & Environment Lab, University of Chicago** Jan 2023 - May 2024
- Project Manager of research led by Michael Greenstone investigating methane leaks at oil & gas facilities.
 - Redesigned methane leak detection and attribution R model, including restructuring raw data pipelines and linkage of wind and methane spatial data.
 - Liaised with external partner Colorado Department of Public Health and Environment and coordinated field team sampling.
- Research Assistant, National Institute of Water and Atmosphere** Nov 2021 - Jan 2023
- Refined honors thesis for publication.
 - Implemented negative binomial models for analysis.
 - Created a spatially-explicit dataset to visualize changes in trawling intensity before and after MPA designation.
- Research Assistant, Department of Economics, UC Berkeley** Aug 2018 - May 2021
- Worked with Clair Brown to develop a country-level government policy index measuring equity, opportunity, and sustainability.
 - Conducted background research, collected, and cleaned data using Python and Excel.
 - Co-author of a working paper describing the “Shared Prosperity Policy Index.”
- Summer Intern, Te Punaha Matatini** May 2020 - Aug 2020
- Developed impact-metrics for Precision Driven Health, a health-technology firm attempting to apply modern data science and machine learning techniques to New Zealand’s healthcare sector.
 - Scraped publication data from SCOPUS using Python and used a k-means clustering algorithm
- Research Assistant, Department of Economics, UC Berkeley** Sep 2019 - May 2020
- Paired with economics graduate student Damián Vergara on project measuring how government policy affects long-run inequality with a particular focus on how institutions shape this relationship (Published: “Do Policies and institutions matter for pre-tax income inequality? Cross-country evidence,” *International Tax and Public Finance*, 2022).
 - Collected and prepared country-level tax, income shares, and institutional hierarchy panel data in STATA.

PUBLICATIONS & PRESENTATIONS

Lohrer, Tai et al. (May 2023). “Evidence of rebound effect in New Zealand MPAs: Unintended consequences of spatial management measures”. In: *Ocean & Coastal Management* 239, p. 106595. ISSN: 0964-5691. DOI: 10.1016/j.ocecoaman.2023.106595.

Presentation	<i>New Zealand Marine Sciences Society Annual Conference</i>	Nov, 2022
Presentation	<i>New Zealand Department of Conservation Seminar Series</i>	Jan, 2023
Interview	<i>University of Auckland’s Green Desk radio/podcast</i>	May, 2023

AWARDS

First in class, Bayesian Inference, <i>University of Auckland</i> .	Apr, 2023
Phi Beta Kappa, <i>UC Berkeley</i> .	May, 2021
Recipient of the Roy Christie Undergraduate Economics Scholarship, <i>UC Berkeley</i> .	Sep, 2019
Outstanding Scholar Award, <i>New Zealand Qualifications Authority</i> .*	Feb, 2016

Last updated: July 12, 2024

*Awarded to the top 40-60 senior students in New Zealand. Attained for receiving Outstanding Scholarships in Economics & Biology, in addition to a scholarship in English (top 1% and 3% of test takers respectively).