Tai Lohrer

🌐 www.tailohrer.com | ✉ tai.lohrer@wisc.edu

EDUCATION

2024 - Present	PhD, *Applied Economics*, **University of Wisconsin—Madison**	(—/4.0)
2021 - 2022	BSc (Hons), *Statistics*, **University of Auckland**	(8.1/9.0)

  – First Class Honors

2017 - 2021	BA, *Economics* at the **University of California, Berkeley**	(3.91/4.0)

  – High Distinction in General Scholarship
  – Departmental Honors
  – Phi Beta Kappa

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 atttribution 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 form 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	*New Zealand Marine Sciences Society Annual Conference*	Nov, 2022
Presentation	*New Zealand Department of Conservation Seminar Series*	Jan, 2023
Interview	*University of Auckland's Green Desk radio/podcast*	May, 2023

Awards

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

*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).