

Corey White

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SUMMARY

Economist with **9 years** of post-Ph.D. experience spanning academia (tenured professor, multiple top-tier publications, **1,700+ citations**) and industry. Expert in causal inference and econometric modeling. Effective both as an **individual contributor** and as a **science manager**, with experience leading cross-functional teams and communicating technical results to non-technical decision-makers.

SKILLS

Statistics & data science: Causal inference, econometrics, double machine learning, A/B testing, experiment design, predictive modeling, long-term value modeling, pricing optimization, data visualization

Tools: Claude Code, Python, SQL, R, L^AT_EX

INDUSTRY EXPERIENCE

Amazon, Seattle WA

Senior Economist, Amazon Books

Jan. 2026–present

Lead Economist/Senior Economist, Customer Behavior Analytics

2024–2026

- **Science leadership**

- **Leads economics** for Amazon Books.
- Coordinates across **product**, **science**, and **engineering** to deliver measurement systems that directly inform business decisions.
- Contributes to operational planning including headcount allocation and project prioritization.
- Previously managed a team of **8 scientists** (economists, applied scientists, data scientists) optimizing Amazon's **multi-billion dollar** brand marketing investment.
- Consistently received top-tier performance ratings across two teams.

- **Modeling & measurement**

- Develops **pricing strategies** using causal methods and elasticity estimation.
- Builds scalable **incrementality measurement frameworks** enabling the organization to rigorously quantify causal impact of initiatives that cannot be measured experimentally.
- Develops **long-term value estimation** using double machine learning, powering personalization models designed to drive customer actions that maximize long-term value.
- Previously directed the full marketing measurement workflow including **randomized experiments**, **observational models**, and a **Bayesian calibration** framework to align observational estimates with experimental results.

ACADEMIC EXPERIENCE

Monash University, Melbourne Australia – **Top 20 Global University in Business/Economics**

Associate Professor (with tenure), Department of Economics

Jul. 2024–Oct. 2024

Senior Lecturer (≈advanced Assistant Professor), Department of Economics

2021–2024

California Polytechnic State University, San Luis Obispo CA

Assistant Professor, Department of Economics

2017–2021

- **Conducted high-impact policy research**

- Analyzed **large-scale datasets**—medical claims, income tax returns, remote sensing data, and weather station records—using Python/R/Stata.
- Led research projects resulting in **12 published articles** in elite-level economics and multidisciplinary journals (**>1,700 citations**).
- Produced research that informed **public policy** decision-making (e.g., [US White House](#), [US Supreme Court](#)).

- **Communicated complex ideas to diverse audiences**
 - Conducted numerous **media interviews** and appeared on podcasts (e.g., [Freakonomics](#)).
 - Received press coverage including [New York Times](#), [Washington Post](#), [NPR](#).
 - Presented research at **49 international conferences** and invited university seminars.
 - Taught **20+ undergraduate/graduate courses** (e.g., econometrics, applied research methods) with consistently top-tier evaluations. Received **three awards** for teaching excellence.

EDUCATION		
Ph.D., Economics, UC Santa Barbara		2017
M.S., Applied Economics and Management, Cornell University		2011
B.A., Environmental Economics, Chico State		2009

SELECTED PAPERS		
“ Disentangling Sources of Variation in C-Section Rates ” with Stefanie Fischer, Shuhei Kaneko, and Heather Royer (equal authorship).		
American Economic Journal: Economic Policy , <i>Conditionally Accepted</i> , 2026		
“ Health Care Centralization: The Health Impacts of Obstetric Unit Closures in the US ” with Stefanie Fischer and Heather Royer (equal authorship).		
American Economic Journal: Applied Economics , 2024		
“ Air Pollution and Suicide in Rural and Urban America: Evidence from Wildfire Smoke ” with David Molitor and Jamie Mullins (equal authorship).		
Proceedings of the National Academy of Sciences , 2023		
“ Measuring Social and Externality Benefits of Influenza Vaccination ” (sole authored).		
Journal of Human Resources , 2021		
“ Can Access to Health Care Mitigate the Effects of Temperature on Mortality? ” with Jamie Mullins (equal authorship).		
Journal of Public Economics , 2020		
“ Temperature and Mental Health: Evidence from the Spectrum of Mental Health Outcomes ” with Jamie Mullins (equal authorship).		
Journal of Health Economics , 2019		
“ The Impacts of Reduced Access to Abortion and Family Planning on Abortions, Births and Contraceptive Purchases ” with Stefanie Fischer and Heather Royer (equal authorship).		
Journal of Public Economics , 2018		