Philipp Eisenhauer

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Redmond, WA

Objective

Experienced economist and statistician with a proven track record of delivering and scaling high-impact science products. Skilled in enabling and leveraging causal impact measurements to drive both tactical and strategic business decisions. Currently in a leadership role at the intersection of business, engineering, and science, to drive business impact by solving ambiguous business challenges with a combination of scientific rigor, sound judgment, and strong communication.

Experience

Amazon.com, Catalog Experimentation   **July 2022 - Present**

Senior Economist   Seattle, WA

- **Catalog AI:** Developed causal impact measurement framework for Amazon's Catalog AI initiative, using randomized experiments to evaluate the business value of product data improvements. Designed and implemented pipelines to measure customer impact, inform model development, and drive seller adoption through experimental insights.
- **Tech ROI:** Developing a standardized framework for evaluating the return on investment of major tech initiatives by aligning assumptions across teams, validating inputs, conducting sensitivity and scenario analyses. Establishing processes for tracking return on investment, refining projections, and driving iterative improvements.
- **Harvard Business Review:** Authored forthcoming article on building a robust, factory-like quality system for Amazon's Catalog AI initiative designed to detect unreliable content, collect customer feedback, and continuously improve through experimentation.

University of Washington   **Feb 2025 - Present**

Affiliate Associate Professor   Seattle, WA

Instructing a course on causal data analysis and scientific computing in the Department of Economics, cross-listed with the Computer Science and Statistics departments. Developing a teaching series on the application of causal reasoning and measurement in business, leveraging a network of Amazon Scholars.

University of Bonn   **Oct 2019 - June 2022**

Professor of Economics   Bonn, Germany

Conducted research on decision-making under uncertainty, combining statistical decision theory, robust optimization, and econometrics to develop tools for policy and investment decision-making. Taught courses on causal data analysis and scientific computing. Published in leading journals, including the *Journal of Political Economy* and *International Economic Review*.

A full list of academic and business publications, as well as course materials, is available at eisenhauer.io.

Education

University of Mannheim   **Sep 2006 - Dec 2012**

Ph.D. in Economics   Mannheim, Germany

Dissertation: *Essays in the Econometrics of Policy Evaluation*
Advisors: Wolfgang Franz, James J. Heckman

University of Chicago   **Jan 2013 - Sep 2014**

Postdoctoral Scholar   Chicago, IL

University of Bonn   **Oct 2014 - Sep 2019**

Postdoctoral Scholar   Bonn, Germany