Sources & Reading List

Causal Inference with Linear Regression: A Modern Approach

2025, CausAI

Other Course & LinkedIn

LinkedIn:
`https://www.linkedin.com/company/causai-bv`

Causal AI: An Extensive Introduction
`https://www.udemy.com/course/causal-ai-an-introduction/?referralCode=C655DB92B44A165CD2B5`

Papers Explicitly Discussed/Referenced

- Hünermund, P., & Louw, B. (2023). On the nuisance of control variables in causal regression analysis.
- Chen, B., & Pearl, J. (2013, September 10). Regression and causation: A critical examination of six econometrics textbooks. University of California, Los Angeles, Computer Science Department.
- Cinelli, C., & Hazlett, C. (2020). Making sense of sensitivity: Extending omitted variable bias. University of California, Los Angeles.
- Chen, B., & Pearl, J. (2015, November 4). Exogeneity and robustness. University of California, Los Angeles, Computer Science Department.
- Lu, X., & White, H. (2014). Robustness checks and robustness tests in applied economics. *Journal of Econometrics, 178*, 194–206.
- Oster, E. (2013). Unobservable selection and coefficient stability: Theory and validation. National Bureau of Economic Research.

Recommended Papers

- Pearl, J. (2010). The foundations of causal inference.
- Angrist, J., & Pischke, J.-S. (2017). Undergraduate econometrics instruction: Through our classes, darkly.
- Pearl, J. (2017). A linear "microscope" for interventions and counterfactuals.
- Pearl, J. (2013). Linear models: A useful "microscope" for causal analysis.
- Chen, B., & Pearl, J. (2015). Graphical tools for Linear Structural Equation Modeling. University of California, Los Angeles, Computer Science Department.
- Pearl, J. (2010, July 21). Exogeneity revisited. University of California, Los Angeles, Computer Science Department.
- Cinelli, C., Forney, A., & Pearl, J. (2022, March 21). A crash course in good and bad controls.

Recommended Books or Book Chapters

- Pearl, J. (2009). *Causality* (2nd ed.). Cambridge University Press.
- Chernozhukov, V., Hansen, C., Kallus, N., Spindler, M., & Syrgkanis, V. (2024, July 28). *Applied causal inference powered by ML and AI.*
- Angrist, J. D., & Pischke, J.-S. (2008). *Mostly harmless econometrics: An empiricist's companion.* Princeton University Press.
- Bollen, K. A., & Pearl, J. (2013). Eight myths about causality and structural equation models.
- Pearl, J., Glymour, M., & Jewell, N. P. (2016). *Causal inference in statistics: A primer.* Wiley.

Useful StackExchange Discussions

- Under which assumptions a regression can be interpreted causally?
- Causality: Structural causal model and DAG