Suggested Readings for ECON 4050

The material below is a complement to the lecture slides and should be used as reference. Readings in **bold** are **highly** recommended.

Note: each reading below has an associated link, so click on it to access it.

Introduction Lecture

- **1.1 and 1.2, Introduction to Econometrics with R**
- Angrist and Pischke (2010 JEP), The Credibility Revolution in Empirical Economics

Lectures on Tidying, Visualising and Summarising Data in R

- **Data transformation, R for Data Science**
- Schwabish (2014 JEP), An Economist's Guide to Visualizing Data
- Chapter 2 and Chapter 3, ModernDive

Lectures on Simple Linear Regression

- **Chapter 3, Introduction to Econometrics with R**
- Chapter 5, ModernDive

Lectures on Introduction to Causality

- **Chapter 7, Introduction to Econometrics with R**
- Chapter 4, Causal Inference: The Mixtape
- "Introduction" and "Counterfactuals and the Potential Outcome Model", Counterfactuals and Causal Inference, Morgan and Winship, 2015

Lectures on Multiple Linear Regression

- **Chapter 4, Introduction to Econometrics with R**
- Chapter 6, ModernDive

Lectures on Sampling

- **Chapter 7, ModernDive**

Lectures on Confidence Intervals and Hypothesis Testing

- **Chapter 8** and **Chapter 9**, ModernDive

Lectures on Regression Inference

- **Chapter 6, Introduction to Econometrics with R**
- **Chapter 10, ModernDive**

Lectures on Regression Discontinuity

- **Chapter 6, Causal Inference: The Mixtape**
- **Andrew Heiss' slides** and **lecture videos**
- Carpenter and Dobkin (2009, AEJ: Applied), "The Effect of Alcohol Consumption on Mortality: Regression Discontinuity Evidence from the Minimum Drinking Age"
- Lee and Lemieux (2010 JEL), "Regression Discontinuity Designs in Economics"
- Chris Walters (2020), Regression Discontinuity Designs

Lectures on Instrumental Variables

- **Chapter 7, Causal Inference: The Mixtape**
- Angrist and Krueger (1991 QJE), "Does Compulsory School Attendance Affect Schooling and Earnings?""

Lectures on Differences-in-Differences

- **Chapter 6, Causal Inference: The Mixtape**
- Card and Krueger (1994 AER), "Minimum Wages and Employment: A Case Study of the Fast-Food Industry in New Jersey and Pennsylvania"

Lectures on Panel Data

- **Chapter 6, Causal Inference: The Mixtape**