

# Program & Policy Evaluation

## ::: Lecturer

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## ::: Module Description

This module covers selected topics that illustrate how (micro)econometrics can be used to assess the relevance and impact of policies and programs. It will introduce a number of econometric techniques widely used in the analysis of cross-section and panel data. It will investigate econometric issues that arise in various contexts when estimating causal parameters of economic interest.

## ::: Main textbook

Angrist, & Pischke (2009) *Mostly Harmless Econometrics: An Empiricist's, PUP.*

<https://www.mostlyharmlesseconometrics.com/>

## ::: Module Outline :::

### Meeting 1

#### **Estimating Causal Effects Using Experimental Data**

- Reference: MHE-Chapters 1-2
- Bertrand, Marianne, and Sendhil Mullainathan, 2004. "Are Emily and Greg more employable than Lakisha and Jamal? A field experiment on labor market discrimination", *The American Economic Review*, 94(4): 991-1013.

#### **Selection on Observables and Matching**

- Reference: MHE-Chapter 3
- Andam, K.S., Ferraro, P.J., Pfaff, A. et al., 2008. "Measuring the effectiveness of protected area networks in reducing deforestation", *PNAS*, 105(42): 16089-16094.

#### **Difference-in-Differences Estimation**

- Reference: MHE-Chapter 5
- Currie, J., and Walker, R., 2011. "Traffic congestion and infant health: evidence from E-ZPass", *American Economic Journal: Applied Economics*, 3(1): 65-90.

## Meeting 2

### Regression Discontinuity Design

- Reference: MHE- Chapter 6
- Pinotti, P., 2017. “Clicking on heaven's door: The effect of immigrant legalization on crime”. *American Economic Review*, 107(1), 138-68.

### IV Estimation

- Reference: MHE-Chapter 4
- Angrist J. D. and A.B. Krueger, 1991. “Does compulsory school attendance affect schooling and earnings?”, *Quarterly Journal of Economics*, 106(4): 979-1014.