

Program/Impact Evaluation Tools in STATA & R

RCTs, DiD, RDD, IV, PSM

By [Atomcamp](#)

Learn Program/Impact Evaluation Key Tools in Practice

Resource Person



Course Overview

This course is designed to enable participants to focus on research design, thinking clearly with data and learn program/impact evaluation tools with real life data applications through computer-based exercises and learn to replicate the results of published economics articles like Card and Krueger (1994). Philosophy of the course will be to engage participants in doing program evaluation through computer assisted tools. Main software for the course will be

STATA and R with all programs/slides available for each topic after the training. Following are books for the training.

- [Mastering metrics: Path from cause to effect By Noble Laureate](#)
- [The Effect](#)
- [Impact Evaluation in Practice](#)

Objectives of the workshop

- Learning tools for program evaluation :Randomization, IV, DID, RDD and Matching
- Use of Health Insurance Subsidy Program data with application using STATA and R
- Reproducing some well know published articles including noble laureates
- Read, understand, and evaluate empirical studies on program evaluation

By the end of this course, participants will be familiar with tools to be applied for program evaluation and better understand research design.

Outline

Program/Impact Evaluation Overview

Difference in Differences Estimators

Instrumental Variable

Regression Discontinuity Design

Matching and Randomization

Application of all these tools on Health Insurance Subsidy Program and other data

Resources

Both books are freely available with complete codes in STATA and R.



Figure 1: [Impact evaluation in practice](#)

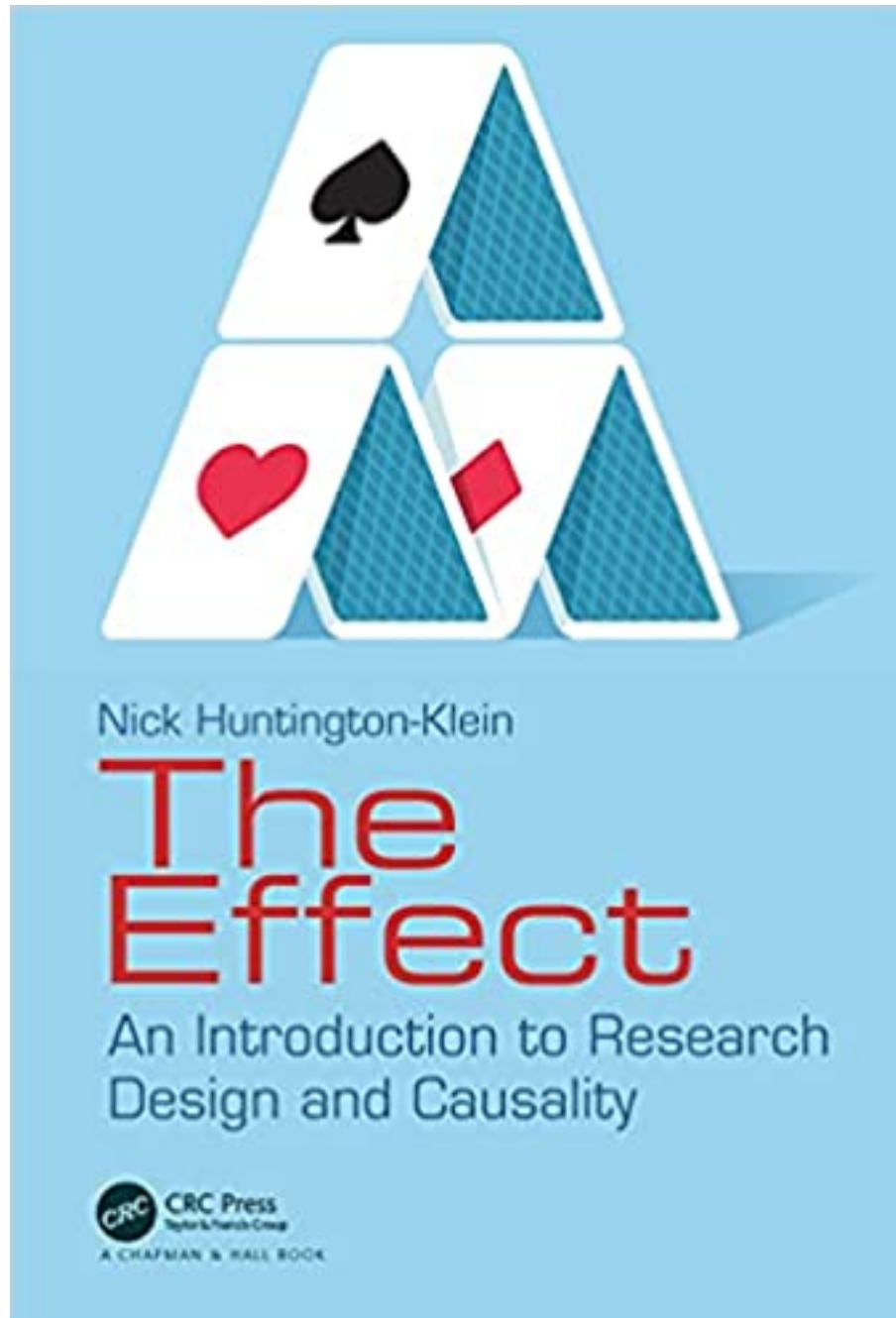


Figure 2: [The Effect: An Introduction to Research Design and Causality](#)