Modern Difference

in

Mio Difference

Designs

John Poe, Hessian LLC

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A Two-Week Online Course

- Four hours of lectures per day
- Both synchronous and asynchronous options available
- Access to complete bank of code tutorials in both R & Stata
- Beta access to all course notes before they are made public
- A ~15-minute pre-course meeting to discuss research
- A ~30-minute mid-course meeting to discuss research
- A customized reading list
- A customized analysis plan

Rotating Topics Include

- Parallel Trends
- Statistical Inference
- Staggered Timing Problems
- Treatment Reversals
- Categorical & Continuous Treatments
- Heterogeneous Treatment Structures & Treatment Effects
- Interference, Spillover, and Noncompliance
- Synthetic Control for Case Studies & Full Panel Settings
- Conditioning on Confounders
- Latent Variable Methods
- Quantile-Based Methods
- Bayesian DiD

Modern DiD

Pricing Options

Standard Tickets: $2000

Lottery Winners: FREE

E-mail to inquire about custom classes or group rates

Anyone interested in entering the course lottery please see my website

Modern DiD

2023 Schedule

March 6-17	Hessian LLC
April 17-28	Hessian LLC
June 26-July 7	ICPSR Summer Program*
September 11-22	Hessian LLC

Register HERE

ICPSR hosts their own registration*

Modern DiD

Day 0

Before Class

- Fill out background survey
- Schedule 15-minute consult with instructor
- Schedule 30-minute consult with instructor
- Download & Install Software
  - Slack
  - R
  - RStudio
  - Stata 17
- Run pre-course scripts to install packages in R & Stata
- Run pre-course testing scripts to make sure everything works
- Fill out the *"something's broken"* survey to confirm everything above worked fine
  - If not, we will schedule a consult to fix it prior to class

Day 1

Monday

Session 1 10:00-11:15

Intro to the Workshop

30 Minute Break

Session 2 11:45-1:00

Intro to DiD Designs

30 Minute Break

Session 3 1:30-3:00

Intro to Stata for DiD

Intro to R for DiD

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Day 2

Tuesday

Session 1 10:00-11:15

Thinking Through Assignment Structures

30 Minute Break

Session 2 11:45-1:00

Thinking Through Treatment Structures

30 Minute Break

Session 3 1:30-3:00

Thinking Through Effect Structures

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Day 3

Wednesday

Session 1 10:00–11:15

Parallel Trends

30 Minute Break

Session 2 11:45–1:00

Conditioning on Things

30 Minute Break

Session 3 1:30–3:00

Latent Variable Methods

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Day 4

Thursday

Lab 1 10:00-11:15

Major Packages for DiD in Stata

30 Minute Break

Lab 2 11:45-1:00

Major Packages for DiD in R

30 Minute Break

Lab 3 1:30-3:00

Special Topics Packages in R & Stata

Modern DiD

Day ★

Friday & Monday

One on one *~30-minute* research meetings to discuss student work.

They will include

- A customized reading list
- A personal research design plan

Meetings are scheduled by the start of the course via a course survey

Modern DiD

Day 5

Tuesday

Session 1 10:00-11:15

Theory of Staggered Timing

30 Minute Break

Session 2 11:45-1:00

The DiD package

30 Minute Break

Session 3 1:30-3:00

Other Timing Problems

Day 6

Wednesday

Session 1 10:00–11:15

Multicategory Treatments

30 Minute Break

Session 2 11:45–1:00

Continuous Treatments

30 Minute Break

Session 3 1:30–3:00

Other Weird Treatment Structures

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Day 7

Thursday

Session 1 10:00-11:15

Interference, Spillover, and Noncompliance

30 Minute Break

Session 2 11:45-1:00

Generalized Counterfactual Estimation

30 Minute Break

Session 3 1:30-3:00

Special Topics by Request

Modern DiD

Day 8

Friday

Session 1 10:00-11:00

Thinking About Modern DiD

60 Minute Break

Session 2 12:00-1:00

Q&A