

OSCTR Biostatistics, Epidemiology and Research Design Core

WORKSHOP

DIFFERENCE-IN-DIFFERENCES AND EVENT STUDY MODELS

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**Wednesday, April 16, 2025
12:00PM – 2:00PM**

Location: Hudson College of Public Health (CHB 204) and Virtual
through Zoom.

Join Zoom Meeting

<https://oklahoma.zoom.us/j/93862719451?pwd=NjA7oKHKs7VNaoJY82Ji4zA0GI8ayu.1>

Meeting ID: 938 6271 9451

**Box lunches will be provided for the first 10 attendees.
Registration required in advance for this meeting.**

**After registration, you will receive a confirmation email containing the zoom link
and information about the workshop materials.**

SCHEDULE: The workshop will be held on April 16 from 12pm to 2pm, 2025. The workshop will be a mixture of lecture, audience engagement, and in-workshop hands-on practice.

SOFTWARE: R or Stata encouraged.

PREREQUISITE: Pre-requisite requirements include basic knowledge of qualitative and quantitative methods.

DESCRIPTION: Difference-in-differences and event study models are statistical tools that help us understand whether changes in policy, treatment, or practice lead to real differences in outcomes over time. They do this by comparing trends before and after an intervention in a way that accounts for broader shifts in the environment. In this workshop, we'll focus on practical, hands-on exercises that show exactly how to use these models in R and/or Stata. You'll learn how to organize your data, run the analysis, interpret the findings, and think critically about assumptions. Along the way, we'll explore real-world examples from healthcare and public health settings, ensuring you leave with the know-how and confidence to use these techniques in your own research or clinical practice.

WORKSHOP CONTENT: 1. Introduction to Difference-in-Differences and Event Study Models; 2. Key Components and Rationale; 3. Steps in conducting analyses (R and Stata); 4. Limitations and common pitfalls; 5. Conclusion and Q&A.

Course materials can be downloaded or printed for personal use prior to attendance from the following website <https://osctr.ouhsc.edu/seminars/short-course>

END of WORKSHOP EVALUATION SURVEY: Please complete the evaluation survey. <https://bbmc.ouhsc.edu/redcap/surveys/?s=CPDJXJ47ME4EDX9L>
You will also receive the link by email after the workshop.

REGISTRATION: Registration is required by April 15th at 6pm. Registration can be completed by clicking the hyperlink in the first page or at the following website <https://osctr.ouhsc.edu/seminars/short-course>.

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PARKING: The College of Public Health Building is located on the corner of 13th

Street and Phillips Avenue. Parking is available on the north side of the building. If you are driving north on Phillips Ave, you will see a sign for Lot A on the east side of the street. Pull into this lot. You will need to press the emergency button on the speaker box and indicate that you are attending a workshop in the College of Public Health Building for the parking gate to be raised.

FACULTY BIOGRAPHICAL SUMMARY:

Dr. Ganisher Davlyatov is an Assistant Professor in the Department of Health Administration and Policy at Hudson College of Public Health (HCOPH). He is the Co-Director of the Center of Health Outcomes, Policy, and Economic Research. Dr. Davlyatov is also a Public Health Core Faculty in the Oklahoma Leadership Education in Neurodevelopmental and Related Disabilities (OKLEND).

Dr. Claudia Rhoades is a Health Economist at Siemens Healthineers and holds an Adjunct Faculty Position at the Hudson College of Public Health. Rhoades completed a postdoctoral appointment at the University of Kentucky's Center for Economic Analysis of Rural Health. She earned her doctorate in Agricultural Economics with a focus on Rural Health Economics in 2022 at Oklahoma State University. With a background in applied economics, Rhoades has a proven track record of conceptualizing and executing quantitative modeling projects, including cost-effectiveness analyses, budget impact assessments, and hospital-based health technology assessment models. At the Hudson College of Public Health, Rhoades contributes to health economics and outcomes research, focusing on improving health outcomes in Oklahoma in collaboration with Oklahoma Health Sciences, OU Health, and Siemens Healthineers.