

**DIVISION OF EPIDEMIOLOGY AND BIOSTATISTICS**

**Student Seminar**

***“Difference-in-Differences (DID) for Empact evaluations”***

Public health policies, interventions, and programs are typically designed to change outcomes such as reducing morbidity, mortality and improving quality of life. Measuring whether such public health interventions are achieved their intended outcome is a crucial public health indicator.

Monitoring and evaluation of the intervention are therefore the heart of evidence-based policy making and measuring its impact of such interventions is part of a broader agenda of evidence-based practice and decision making. Evaluating the effect of the interventions is generally aimed to estimate average impacts of program/ interventions.

The standard advice is to establish the impact of intervention is implementing a randomized controlled trial (RCT) that enable to reduce confounding/selection bias and isolate the treatment effect.

The DID design often use to study causal relationships in public health settings where RCT are infeasible or unethical. However, causal inference has many challenges in DID designs.

**About the presenter**

**Yebelay Berehan** have a BSc and MSc in Statistics from Wollo University and Addis Ababa University, Ethiopia respectively. Prior to Stellenbosch, he worked as a lecturer at Debre Markos and Mizan-Tepi universities for over six years.

He is currently an MSc Biostatistics final year student at Stellenbosch University, and an intern at the Centers for Disease Control and Prevention (CDC), Ethiopia.

A person wearing a white shirt

Description automatically generated with medium confidence

***Date:*** *25 October 2021*

***Venue:*** *Online via MS Teams link*

[Click here to join the meeting](https://teams.microsoft.com/l/meetup-join/19%3ameeting_YzE4Y2FhZWMtNWM0OC00ODIyLWJjMDMtZDEwMmVkOTI4YWU5%40thread.v2/0?context=%7b%22Tid%22%3a%22a6fa3b03-0a3c-4258-8433-a120dffcd348%22%2c%22Oid%22%3a%2215b067a4-353d-4250-a4b2-33177966e5c4%22%7d)

***Time:*** *13:00 – 14:00*

*Please RSVP before 23 October (*[*lieselfloor@sun.ac.za*](mailto:lieselfloor@sun.ac.za)*)*