CAPS/PRC Town Hall and the CAPS Methods Core present:

Rachel Brathwaite, PhD

Applying Machine Learning Techniques in Stata to Predict Health Outcomes Using HIV-related Data

Tuesday, Dec. 14th, 2021
11:00 am – Noon
Zoom Meeting

Register Here

Dr. Rachel Brathwaite has a PhD in Epidemiology and Population Health from the London School of Hygiene & Tropical Medicine, and a Masters in Applied Epidemiology from the University of Nottingham, United Kingdom. She is interested in conducting epidemiological research with a focus on early prevention/intervention to improve the physical and mental health of vulnerable and marginalized populations. She has been involved in population health research on modifiable behavioral risk factors among vulnerable populations, harm reduction among marginalized populations and research to identify and prevent poor mental and physical health among vulnerable youth populations in low- and middle-income countries.

Dr. Brathwaite has experience applying machine learning techniques such as prediction modelling to develop tools that can be used to predict future depression among adolescents in low- and middle-income countries including Nepal and Nigeria. She has also applied these techniques to predict poor mental health among young people affected by HIV in Uganda, and to predict poor adherence among adolescents living with HIV in Uganda. In this talk, she will be demonstrating the application of lasso regression in Stata to predict health outcomes using an HIV-related dataset from Uganda.

Currently, Dr. Brathwaite is a Postdoctoral Research Associate at the Brown School's International Center for Child Health and Development at Washington University in St. Louis.

Rochelle Blanco

Academic Program Management Officer

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CAPS Developmental Core and CAPS Interventions and Implementation Science Core

(pronouns: she/her/hers) : https://lgbt.ucsf.edu/pronounsmatter

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