March 18, Wednesday from 11am to 1pm PST

From P-values to Predictions: An Introduction to AI for HIV Research

Dr. Comulada will provide an introduction to artificial intelligence (AI) and machine learning (ML), beginning with an overview of core concepts and distinctions between AI/ML approaches and traditional statistical methods. He will discuss key modeling considerations, including missing data, imbalanced datasets, and model explainability. Dr. Comulada will demonstrate practical data pre-processing and analytic workflows using Python, a popular data science programming language. Using HIV data from ATN CARES, an NICHD-funded community-based study focused on optimizing HIV prevention and treatment, he will present applied ML examples using lasso regression, random forests and other models. Workshop materials, including select ATN CARES data and annotated analysis code, will be shared to support hands-on learning. A basic understanding of statistical methods and programming in R, Python, or similar software is helpful but not required.

REGISTER HERE for the March 18 webinar
This webinar will be in person at the Semel Institute
(room 27-418)
or remote
A Zoom link will be sent to your e-mail.

W. Scott Comulada, DrPH
Professor-in-residence
Department of Psychiatry and Biobehavioral Sciences
Department of Health Policy and Management
Director, Semel Institute Center for Community Health
Director, AIM-SWG
XRI Health and Wellness Subcommittee Chair
University of California, Los Angeles