

Theme 1. Measurement and Prediction of IPV

Module 1.3: Data Analytics Using R

Presented by Melinda Higgins, PhD

Module 1.3 will introduce the learner to writing code in the R language and utilizing the RStudio IDE (integrated development environment). This module will include 6 sessions - the first 3 will be asynchronous-online (AO) and the last 3 will be in-person (IP).

The 6 sessions are:

- 1.3.1: Introduction to R and R Studio (AO)
- 1.3.2: Data Wrangling (AO)
- 1.3.3: Data Visualization (AO)
- 1.3.4: Missing data and Sampling Weights (IP)
- 1.3.5: Statistical tests and models (IP)
- 1.3.6: Putting reproducible research principles into practice (IP)

Project TIDAL

Project TIDAL is an NIH-funded R25 study (1 R25 NR021324-01), co-led by Drs. Sangmi Kim and Ran Xiao from Nell Hodgson Woodruff School of Nursing at Emory University.

The objective of the study is to develop a short course titled "Trauma-Informed Data Science and Digital Health Technologies to Prevent Intimate Partner Violence (IPV) among Pregnant/Postpartum Women" targeting early-career researchers (predoctoral, postdoctoral, and junior faculty) from diverse backgrounds across the U.S.

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