



# 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 weight \(IP\)](#)
  - [1.3.5: Statistical tests and models \(IP\)](#)
  - [1.3.6: Putting reproducible research principles into practice \(IP\)](#)
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## 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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