

BeVera

TRAINING SYLLABUS

Basics of R Programming

Course Overview

Public health professionals around the world are increasingly adopting R for data analysis. Because of this, it is becoming vital for these professionals to understand R when collaborating with their colleagues. This course provides the participants with an overview of the main characteristics of R and demonstrate R's versatility working with data objects. You'll learn how to get help, load a dataset, and begin working with packages to get descriptive statistics and create useful visualizations.

Intended Audience

The course is intended for individuals new to R and RStudio. It is for analysts, data scientists and researchers who may be familiar with computational analysis but are new to R and RStudio.

Prerequisites

Attendees must download both R and RStudio onto their laptops prior to class.

Learning Objectives

- ✔ Get started with R and identifying help features
- ✔ Explore R language fundamentals, including basic syntax, variables, data types and structures
- ✔ Work with R's basic data structures; moving beyond vectors to matrices, list and data frames
- ✔ Create new Variables, Functions, and Data Sets
- ✔ Learn the basics of data ingestion and selection
- ✔ Learn some of the specialized R tools and techniques like regular expressions, iterators and list comprehensions



For scheduling and/or assistance
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