

R for Data Analysis

Course ISI-1572

5 Days

Instructor-led, Hands on

Course Information

The R programming language was designed to be used for statistical analysis. Today, it's one of the top languages used by data analysts and statisticians. With this 5-day class, you'll learn the R skills you need to become a successful data analyst, even if you're new to programming or have never studied statistics.

This class is for anyone who wants to learn how to visualize and present data professionally. The only prerequisite is basic computer literacy. That's because chapters 1 and 2 present the parts of the R programming language that you need to get started with data analysis. Then, the rest of the class shows how to use R to analyze data.

At Course Completion

After completing this course, students will be able to:

- The essential skills for descriptive analysis.
- The case studies.
- Get started with predictive analysis
- Presentation skills

Prerequisites

Before attending this course, students must have:

- Some prior programming experience.

Course Outline

Module 1: Get started fast

- Introduction to RStudio and R
- More skills for working with R
- How to code your first analysis

Module 2: The essential skills for data analysis

- How to visualize data
- How to get data
- How to clean data
- How to prepare data
- More skills for data visualization

Contact ISInc for more information at 916.920.1700 or by visiting our website at <http://www.isinc.com>

Module 3: Three case studies

- The Polling analysis
- The Wildfires analysis
- The Basketball Shots analysis

Module 4: An introduction to data modeling

- How to work with simple regression models
- How to work with multiple regression models
- How to work with classification models

Module 5: Presentation skills

- How to use R Markdown to present an analysis