

# BeVera

COURSE OUTLINE

## Regression Analysis

### Course Overview

Regression is a widely used statistical technique. It estimates relationships between independent variables and a dependent variable. Regression models can be used to help understand and explain relationships among variables and can also be used to predict actual outcomes. This class introduces the attendee to regression techniques in R.

### Intended Audience

The course is intended for data analysis, data scientists, and researchers who are familiar with computational analysis in SAS but are new to R and RStudio.

### Prerequisites

Attendees should have a good understanding of data analysis using SAS. Attendees must download both R and RStudio onto their laptops prior to class.

### Learning Objective

- Learn to test whether your data meets underlying linear assumptions
- Learn to create a relationship model using the most common regression functions in R
- Explore methods for finding the coefficients from the model created the mathematical equation
- Generate a summary of the relationship model to know the average error in prediction
- Learn to predict on your test data set



For scheduling and/or assistance  
call us at: 678.432.0218



or email us at  
[info@beverasolutions.com](mailto:info@beverasolutions.com)

BeVera Solutions, LLC  
8455 Hwy. 85  
Bldg. 500, Suite 210  
Riverdale, GA 30274  
[www.beverasolutions.com](http://www.beverasolutions.com)

