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COURSE OUTLINE

Decision Tree Analysis in R

Course Overview

The Decision Tree Analysis in R course will provide attendees with a solid understanding of Decision Trees and their benefits. You will learn how to design the data for Decision Tree modeling using Algorithms available in R environment. By the end of the course, you will be able build a Decision Tree in R and use it for classification and regression analyses.

Intended Audience

The Decision Tree Analysis in R course is intended for individuals, data analysts, data scientists and researchers that have a basic knowledge of the R programming language and want to classify complex data using the Decision Tree method.

Prerequisites

Attendees should have some exposure to statistical classification and regression methods. R and the RStudio IDE can be downloaded at the following sites:

www.r-project.org   www.rstudio.com

Learning Objective

- Introduce Decision Tree methods and their applicability to myriad business problems
- Build competing Classification and Regression Trees (CART) and measure the impurities using:
    - Classification Error Rate
    - Gini Index
    - Cross-Entropy
    - Residual Sum of Squares (RSS)
    - K-fold Cross Validation
- Understand the advantages and disadvantages of Decision Trees
- Explore popular Decision Tree methods including Bagging, Random Forest and Boosting

For scheduling and/or assistance call us at: 678.432.0218

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