

BeVera

TRAINING SYLLABUS

EDA I - Graphing and Descriptive Statistics

Course Overview

The EDA I course is an introduction to data analysis. Data Analysis can be divided into three parts: Extraction, Transform and Visualize. During this course, attendees will learn to visualize and summarize their data in preparation for more advanced analysis.

Intended Audience

This Exploratory Data Analysis in R course is intended for individuals, data analysts, data scientists and researchers that have a working knowledge of the R programming language.

Prerequisites

Attendees must download the R and the RStudio IDE onto their personal laptops.

Learning Objectives

- ✔ Understand the significance of Exploratory Data Analysis in Data Science
- ✔ Learn techniques to organize, summarize and prepare raw data
- ✔ Implement data cleansing and validation tasks
- ✔ Learn to invoke basic EDA methods to understand datasets in preparation for more advanced analysis
- ✔ Discuss what the data tells us? (In contrast to “confirmatory” data analysis)
- ✔ Learn 5-Number summary, Box plots, Stem and Leaf Diagrams
- ✔ Learn Extremes (min and max), Median & quartiles
- ✔ Identify more robust to skewed & long tailed distributions



For scheduling and/or assistance
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