



Course Title: Data Analysis in R

Course Duration: 12 hours - 6 Classes

Course Overview

Throughout this course, participants will gain proficiency in utilizing the R Studio Integrated Development Environment (IDE) for effective R programming. The curriculum encompasses an in-depth exploration of data importation, data cleaning and wrangling data for rigorous analysis. Participants will also acquire mastery in data visualization and engage in the development of forecasting models within R, enabling them to make informed predictions based on historical data.

Learning Outcomes

1. Learn the foundational understanding of R Programming syntax and concepts.
2. Develop hands-on coding skills relevant to data science in R.
3. Solve challenges and address common data-related issues encountered in industry settings.
4. Apply acquired skills to a real-life business scenario of your choosing, showcasing practical proficiency in leveraging R for decision-making.

Course Content

1. R Objects and Data Types (1 class)

- Over view of R Studio IDE
- Introduction to numeric, factors and string data types
- Over view of vectors, lists and data frames

2. Getting and Cleaning Data (1 classes)

- Importing and exporting data
- Data cleaning techniques
- Dealing with missing data

3. Exploratory Data Analysis (2 classes)

- Descriptive statistics
- Data visualization using ggplot2
- Exploring relationships in data

4. Modeling and Forecasting (1 class)

- Introduction to predictive modeling
- Time series analysis
- Forecasting techniques

5. Presentation of Course Project (1 class)

- Building of a Course Project in Logistics and Supply Chain Domain

Benefits of the Course

1. **Data-Driven Decision Making:** Equip yourself with the skills to make informed decisions based on data.
2. **Career Advancement:** Gain a competitive edge in the job market by mastering R.
3. **Domain Relevance:** Tailored for students in Supply Chain, ensuring practical applicability in your field.

Achievements

1. **Proficiency in R:** Master the fundamental concepts of R programming for data science.
2. **Applied Data Analysis:** Successfully complete hands-on projects applying learned techniques to real-world data sets.

Why you should learn R:

1. Used by **2 Million** + Data Scientists, Statisticians and Data Analysts.
2. R is the **#1** Google Search for Advanced Analytics Software. (Google Trends, March 2014)
3. Average Salary of Analyst with R programming is **\$77,722** per year globally.

Price: \$ 250

Payment Method:

Complete Payment of the course will be made in start of the course on the following Account Details:

Account Name: Muhammad Uzair

Account Number: PK04MEZN0001140103434587