



# **DATA ANALYTICS USING R**

#### FRT division GHT 154 550 254 RDW 650 273 TRG 241 RTG 274 874 657 125 WEF 784 145 124 752 741 759 HRT





## **Duration of 25 Hours**

access anytime and anywhere



## Online Self-Paced

Learn at your convenience



## 1-Year of Access

Get LMS access for one year



## **Completion Certificate**

Jointly issued by NAL & GT Bharat



## **Online Query Support**

Through LMS, by SME within 48-Hrs

Inaugural Price ₹12,000/-

**Plus Taxes** 

Organizations see data as an asset. Managed well, data can help define longterm business strategy, enhance systems and streamline business processes, better manage risks out of the business and help gain a competitive advantage.

This program will help learners to understand how to transform data into business and operational insights, maximize the value of data for an organization, rapidly analyze thousands data curated sets and reporting dashboards that enable easier access to data.





## **Course Content**

#### **Module 1: Introduction and Programming**

- 1. Introduction to Data Analytics
- 2. Introduction to R
  - a. R programming
  - b. R programming Case Study
  - c. Customer Churn

#### **Module 2: Statistics and Visualization**

- 1. Data Visualization: Various graphs, charts
- 2. Data Visualization: Advance
- 3. Descriptive Statistics: Basic statistical techniques including data properties: Hypothesis testing DPLYR package.
- 4. Linear Regression Model
- 5. Multinomial Linear Regression Case Study
- 6. Logistic Regression
- 7. Multinomial Logistic Regression
  - a. Multinomial Logistic Regression Case Study

#### **Module 3: Advance Methods**

- 1. Introduction to Artificial intelligence, ML and Deep learning
- 2. Neural Networks
- 3. Support Vector Machines (SVM)
- 4. Support Vector Machines (SVM) Case Study
- 5. Decision Tree
- 6. Random Forest
- 7. K-nearest Neighbors
- 8. K-nearest Neighbors Case Study
- 9. Clustering (K Means)
- 10. Principle Component Analysis
- 11. Principle Component Analysis Case Study















## **ADVANCED E-LEARNING COURSES**

**CO-CERTIFIED BY GRANT THORNTON & NSE ACADEMY** 



Get ready with specialized skills sets in advance analytics and technologies.



**Courses designed by** professionals at Grant Thornton



In-course exercises files to help apply knowledge in real-world situations.



Joint certificate will be awarded by Grant Thornton & NSE Academy upon completion.

Grant Thornton & NSE Academy, self-paced courses are designed to impart practical knowledge and skills to the learners. The programs are helpful to those individuals who aim to build or advance careers in specialized domains like Finance & advanced technologies like Blockchain, Analytics, Cyber Security, and Taxation









## **About Grant Thornton Bharat LLP**

Grant Thornton Bharat (GT) is truly a global organization with 62,000+ people in more than 130 countries. No matter, how big the organization or the international challenges you face, GT has the resources to match and provide solutions. The organization has member firms in over 130 countries worldwide. It is ranked one of the top six firms in 88 markets around the world and established in all major business centres and emerging markets.

The organization serves India region with 13 offices in all major cities with more than 15,000 people.

## **About NSE Academy**

NSE Academy Limited is a wholly owned subsidiary of the National Stock Exchange of India Limited (NSE). NSE Academy Limited enables the next generation of BFSI and FinTech professionals with industry aligned skills – through capacity building programs and certification courses, powered by an online examination and certification system. The courses are wellresearched and carefully crafted with input from the industry professionals. NSE Academy Limited works closely with reputed universities and institutions across India in building a competent workforce for the future of BFSI and FinTech. NSE Academy Limited also promotes financial literacy as an essential life skill among youngsters – a contribution towards financial inclusion and wellbeing. For more information visit: https://www.nseindia.com/

#### Disclaimer

- It is clarified that NSE Academy does not, in any manner whatsoever, assure, warrant, guarantee, or promise any job/placement/advancement to any Participant. Under no circumstances, NSE Academy shall be held responsible/liable for failure on the part of the Participants to pass / successfully clear the interview process or the requirements to successfully secure a job.
- . The information here can be used only by NSE Academy Ltd. It may not be reproduced in whole, or in part, nor may any of the information contained therein be disclosed without the prior consent of the authorized representatives of "NSE Academy Ltd." except within the organization.
- Any form of reproduction, dissemination, copying, disclosure, modification, distribution, and or publication of this material is strictly prohibited.
- · All the courses are administered by the NSE Academy Ltd and Grant Thornton Bharat LLP. The participants need to complete certificate criteria
- independently to be eligible for the respective certificates.
- The Course Content/Outline mentioned herein is indicative and may be modified by NSE Academy in the best interest of the participants.
- The fee paid is non-transferable and non-refundable.





