

# DATA VISUALIZATION USING R

**DURATION**  
**5 Days**

**SESSION DURATION**  
**6 hours per day**

**WHEN**  
**June 24<sup>th</sup> to 28<sup>th</sup> 2024**

**WHERE**  
**Online**

## OVERVIEW

Data visualization is a critical component of data analysis and decision-making. This Management Development Programme (MDP) is designed to provide participants with practical skills in data visualization using R. The programme will cover various data visualization techniques and packages in R, enabling participants to create insightful visualizations for effective data communication and analysis.

## DAY-WISE TOPICS

### Day 1: Introduction to Data Visualization and R

- Overview of data visualization
- Introduction to R for data visualization
- Basic plotting with base R graphics

### Day 2: Advanced Plotting with ggplot2

- Introduction to ggplot2
- Customizing plots with ggplot2
- Advanced plotting techniques with ggplot2

### Day 3: Interactive Data Visualization

- Creating interactive plots with plotly
- Interactive dashboards with shiny
- Embedding interactive visualizations in web applications

### Day 4: Specialized Data Visualization

- Visualizing geospatial data with ggplot2 and leaflet
- Network visualization with igraph
- Time series visualization with ggplot2 and dygraphs

### Day 5: Case Studies and Practical Applications

- Real-world case studies of data visualization in R
- Practical exercises to reinforce learning
- Q&A and discussion on data visualization challenges

## KEY BENEFITS

- Gain practical skills in data visualization using R
- Learn how to create insightful visualizations for effective data communication
- Understand best practices for designing and presenting visualizations
- Acquire hands-on experience through practical exercises and case studies
- Network with industry experts and peers in the field of data visualization

## WHO SHOULD ATTEND

- Data analysts
- Business analysts
- Data scientists
- Anyone interested in learning data visualization using R

## FACULTY

The programme will be conducted by experienced data visualization professionals and R programming experts.

## CERTIFICATION

Participants will receive a certificate of completion at the end of the programme.

## FEES

INR 25,500/- PLUS 18% GST (if applicable)

## REGISTRATION

Limited seats available. Register now to secure your spot in this transformative programme.

## CONTACT INFORMATION

For inquiries and registration, please contact: **PROF. (DR.) BRAJESH KUMAR**

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