**IIHMR University, Jaipur**

**in Association with**

**Institute of Analytics, London**

**Announces**

**One-Week Online Management and Faculty Development Program**

**on**

**Quantitative and Qualitative Data Analytics using R**

**August 17 - 22, 2020**

**Schedule**

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| **Day and Date** | **Time** | **Topics to be Covered** | **Resource Person** |
| Day 1; August 17, 2020 | 04:00 PM– 04:10 PM | Inaugural Session by IIHMR Team | |
| Day 1; August 17, 2020 | 04:00 PM– 06:00 PM | Introduction to R Environment, R Script, Console, Basics of R Programming, Vector, Matrices, Data Frame, Import and export of data files, Mathematical and Logical arguments, Data Manipulation | Dr. Vinod Murti |
| Day 2; August 18, 2020 | 04:00 PM– 06:00 PM | Descriptive analysis, Data Visualization, Histogram, Box Plot, Bar Chart, Correlation Matrix, Scatter Plots and Heat Maps | Dr. Prashant Sharma |
| Day 3; August 19, 2020 | 04:00 PM– 06:00 PM | Hypothesis testing using R (t-test, ANOVA, Chi-square), Introduction to Predictive Analytics, Simple Linear Regression, Multiple Regression, | Dr. Prashant Sharma |
| Day 4; August 20, 2020 | 04:00 PM– 06:00 PM | Testing of Simple Linear Regression, Multiple Regression, Assumptions of OLS, Violation of Assumptions using R and Application of Diagnostic Procedure | Dr. Prashant Sharma |
| Day 5; August 21, 2020 | 04:00 PM– 06:00 PM | Introduction to Natural Language Processing, Processing of qualitative data using R, Packages in Text Mining such as tidyverse, tidyr, NLP, tm, dplyr, ggplot2 etc. | Dr. Vinod Murti |
| Day 6; August 22, 2020 | 04:00 PM– 07:00 PM | Preparation of word cloud, Sentiment analysis, analysis of twitter data, Cluster analysis of text data other text mining techniques in R  Tips for Professional Research Writing | Dr. Vinod Murti  Dr. Madhavi |