

NPTEL Video Lecture Topic List - Created by LinuXpert Systems, Chennai

NPTEL Video Course - Management - NOC:Multivariate Procedures with R

Subject Co-ordinator - Prof. Narendra K Sharma

Co-ordinating Institute - IIT - Kanpur

Sub-Titles - Available / Unavailable | MP3 Audio Lectures - Available / Unavailable

- Lecture 1 - R Software and its Installation
- Lecture 2 - Help, Documentation, Examples, Packages and Libraries
- Lecture 3 - Command Line and Data Editor
- Lecture 4 - Introduction to R Studio
- Lecture 5 - R as a Calculator
- Lecture 6 - Calculation with Data Vectors and Built-in Function
- Lecture 7 - Matrix Operations
- Lecture 8 - Matrix Operations
- Lecture 9 - Univariate Data-Central Tendency and Variability
- Lecture 10 - Bivariate Data
- Lecture 11 - Missing Data Handling
- Lecture 12 - Measuring Central Tendency with Missing Data
- Lecture 13 - Measuring Variation with Missing Data
- Lecture 14 - Coefficient of Variation and Summary
- Lecture 15 - Boxplots and Grouped Boxplots
- Lecture 16 - Bar Diagram, Subdivided and Multiple Bar Diagrams
- Lecture 17 - Pie Diagram, Histogram and Multiple Histogram
- Lecture 18 - Scatter Plots, Smooth Scatter Plots and Matrix Plots
- Lecture 19 - Three Dimensional Plots, Star Plots and Chernoff Faces
- Lecture 20 - Continuous and Discrete
- Lecture 21 - Probability Functions
- Lecture 22 - Probability Functions for Continuous Bivariate and Multivariate Random Variables
- Lecture 23 - Theoretical Properties
- Lecture 24 - Application in R Software
- Lecture 25 - Bivariate Normal and Multivariate Normal Distributions in R
- Lecture 26 - Chi Square (χ^2), t and F Distribution
- Lecture 27 - Point and Interval Estimation
- Lecture 28 - Maximum Likelihood Estimation
- Lecture 29 - Basics of Tests of Hypothesis

Get DIGIMAT For High-Speed Video Streaming of NPTEL and Educational Video Courses in LAN

<http://www.digimat.in>

NPTEL Video Lecture Topic List - Created by LinuXpert Systems, Chennai

- Lecture 30 - Test and Confidence Interval for Mean in One Sample with Known Variance in Univariate Data
- Lecture 31 - Test and Confidence Interval for Mean in One Sample with Unknown Variance in Univariate Data
- Lecture 32 - Tests for Mean in Two Samples with Univariable Data
- Lecture 33 - Analysis of Variance and Homogeneity of Variances with Univariate Data
- Lecture 34 - Tests for Mean Vector with Multivariate Data in One Sample
- Lecture 35 - Tests for Mean Vector with Multivariate Data in Two Sample
- Lecture 36 - Centering, Scaling and Z-Scores
- Lecture 37 - Introduction and Basic Concepts
- Lecture 38 - Estimation of Parameters
- Lecture 39 - Model Fitting with R Software
- Lecture 40 - Test of Hypothesis and Confidence Interval Estimation on Individual Regression Coefficients
- Lecture 41 - Analysis of Variance and Implementation in R Software
- Lecture 42 - Goodness of Fit and Testing of Normality
- Lecture 43 - Logistic Regression Model
- Lecture 44 - Introduction to Classification
- Lecture 45 - Bayes Procedure for Classification
- Lecture 46 - Classification Procedure for Multivariate Normal Distributions
- Lecture 47 - Classification Procedure and Analysis in R
- Lecture 48 - Basic Concepts and Definitions
- Lecture 49 - Hierarchical Classification
- Lecture 50 - Hierarchical Classification and Analysis with R
- Lecture 51 - Hierarchical Classification with Examples in R
- Lecture 52 - Concepts and Theoretical Setup
- Lecture 53 - Principle Component and Its Graphical Analysis in R
- Lecture 54 - Canonical Variables and Concepts
- Lecture 55 - Statistical Analysis of Canonical Variables
- Lecture 56 - Canonical Variables Analysis in R