

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

NPTEL Video Course - Management - NOC:Business Statistics

Subject Co-ordinator - Prof. Mukesh Kumar Barua

Co-ordinating Institute - IIT - Roorkee

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

Lecture 1 - Introduction to Statistics and Data

Lecture 2 - Types of Statistics, types of Data and sources of Data, Population vs Sample

Lecture 3 - Scales of Measurement

Lecture 4 - Data representation techniques - Part 1

Lecture 5 - Data representation techniques - Part 2 and measures of central tendency - Part 1

Lecture 6 - Measures of Central Tendency - Part 2

Lecture 7 - Examples of introduction to data and data representation techniques

Lecture 8 - Measures of Variation

Lecture 9 - Applications of Measures of Central Tendency and Measures of Variation

Lecture 10 - Chapter concepts- Measures of central tendency and measures of variation, Outliers, and shape of

Lecture 11 - Numerical Descriptive Measures

Lecture 12 - Covariance and Coefficient of Correlation, Introduction to Probability

Lecture 13 - Probability - Part 1

Lecture 14 - Probability - Part 2

Lecture 15 - Probability - Part 3

Lecture 16 - Probability Distributions - Part 1

Lecture 17 - Probability Distributions - Part 2

Lecture 18 - Probability Distributions - Part 3

Lecture 19 - Examples for Standardized Normal Distribution

Lecture 20 - Evaluating Normality, Exponential Probability Distribution

Lecture 21 - Chapter Concepts - Probability Distributions

Lecture 22 - Sampling and Sampling Techniques

Lecture 23 - Sampling Distribution - I

Lecture 24 - Sampling Distribution - II

Lecture 25 - Sampling Distribution - III

Lecture 26 - Method of Estimation

Lecture 27 - Interval Estimation

Lecture 28 - Confidence Interval - I

Lecture 29 - Confidence Interval - II

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

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- Lecture 30 - Types of Hypothesis Testing
- Lecture 31 - Hypothesis Testing Process - I
- Lecture 32 - Hypothesis Testing Process - II
- Lecture 33 - Hypothesis Testing Examples
- Lecture 34 - Hypothesis Testing of Proportions - I
- Lecture 35 - Hypothesis Testing of Proportions - II
- Lecture 36 - Hypothesis Testing-One sample Test
- Lecture 37 - Hypothesis Testing using Minitab
- Lecture 38 - Hypothesis Testing of Proportions using Minitab
- Lecture 39 - Hypothesis Testing Two Sample Test - I
- Lecture 40 - Hypothesis Testing Two Sample Test - II
- Lecture 41 - Hypothesis Testing Two sample Test - III
- Lecture 42 - Paired Sample Test
- Lecture 43 - Hypothesis Testing of Proportion
- Lecture 44 - Example of Hypothesis Testing
- Lecture 45 - Design of Experiment
- Lecture 46 - Analysis of variance - I
- Lecture 47 - Analysis of variance - II
- Lecture 48 - Analysis of variance - III
- Lecture 49 - Tukey Kramer test
- Lecture 50 - Randomized Blocked Design
- Lecture 51 - A Factorial Design - I
- Lecture 52 - A Factorial Design - II
- Lecture 53 - Chi-square test goodness of fit - I
- Lecture 54 - Chi-square test goodness of fit - II
- Lecture 55 - Chi-square test of independence
- Lecture 56 - Simple linear regression - I
- Lecture 57 - Simple linear regression - II
- Lecture 58 - Assumption of Regression
- Lecture 59 - Multiple Regression
- Lecture 60 - Example of multiple Regression