

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

NPTEL Video Course - Mathematics - Probability and Statistics

Subject Co-ordinator - Prof. Somesh Kumar

Co-ordinating Institute - IIT - Kharagpur

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

Lecture 1 - Algebra of Sets - I
Lecture 2 - Algebra of Sets - II
Lecture 3 - Introduction to Probability
Lecture 4 - Laws of Probability - I
Lecture 5 - Laws of Probability - II
Lecture 6 - Problems in Probability
Lecture 7 - Random Variables
Lecture 8 - Probability Distributions
Lecture 9 - Characteristics of Distribution
Lecture 10 - Special Distributions - I
Lecture 11 - Special Distributions - II
Lecture 12 - Special Distributions - III
Lecture 13 - Special Distributions - IV
Lecture 14 - Special Distributions - V
Lecture 15 - Special Distributions - VI
Lecture 16 - Special Distributions - VII
Lecture 17 - Functions of a Random Variable
Lecture 18 - Joint Distributions - I
Lecture 19 - Joint Distributions - II
Lecture 20 - Joint Distributions - III
Lecture 21 - Joint Distributions - IV
Lecture 22 - Transformations of Random Vectors
Lecture 23 - Sampling Distributions - I
Lecture 24 - Sampling Distributions - II
Lecture 25 - Descriptive Statistics - I
Lecture 26 - Descriptive Statistics - II
Lecture 27 - Estimation - I
Lecture 28 - Estimation - II
Lecture 29 - Estimation - III

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- Lecture 30 - Estimation - IV
- Lecture 31 - Estimation - V
- Lecture 32 - Estimation - VI
- Lecture 33 - Testing of Hypothesis - I
- Lecture 34 - Testing of Hypothesis - II
- Lecture 35 - Testing of Hypothesis - III
- Lecture 36 - Testing of Hypothesis - IV
- Lecture 37 - Testing of Hypothesis - V
- Lecture 38 - Testing of Hypothesis - VI
- Lecture 39 - Testing of Hypothesis - VII
- Lecture 40 - Testing of Hypothesis - VIII