

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

NPTEL Video Course - Computer Science and Engineering - NOC:Statistical Learning for Reliability Analysis

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Co-ordinating Institute - IIT - Kharagpur

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

- Lecture 1 - Introduction to Reliability Engineering
- Lecture 2 - Introduction to Statistical Methods in Reliability
- Lecture 3 - Concept of Probability and Probability Theory
- Lecture 4 - Tutorial on Introduction to RE, SL and Probability Theory - Part I
- Lecture 5 - Conditional, Total and Reverse Probability
- Lecture 6 - Tutorial on Conditional Probability and Total Probability
- Lecture 7 - Introduction to Probability Distributions
- Lecture 8 - Introduction to Probability Distributions (Continued...)
- Lecture 9 - Discrete Probability Distribution - Part 1
- Lecture 10 - Discrete Probability Distribution - Part 2
- Lecture 11 - Tutorial on Discrete Probability Distributions
- Lecture 12 - Continuous Probability Distributions - Part 1
- Lecture 13 - Continuous Probability Distributions - Part 2
- Lecture 14 - Tutorial on Continuous Probability Distribution Functions - Part 1
- Lecture 15 - Tutorial on Continuous Probability Distribution Functions - Part 2
- Lecture 16 - Sampling Distributions - Part 1
- Lecture 17 - Sampling Distributions - Part 2
- Lecture 18 - Sampling Distributions - Part 3
- Lecture 19 - Sampling Distributions - Part 4
- Lecture 20 - Sampling Distributions - Part 5
- Lecture 21 - Tutorial on Sampling Distributions
- Lecture 22 - Statistical Inference - Part 1
- Lecture 23 - Statistical Inference - Part 2
- Lecture 24 - Statistical Inference - Part 3
- Lecture 25 - Tutorial on Statistical Inference
- Lecture 26 - Statistical Inference - Part 4
- Lecture 27 - Statistical Inference - Part 5
- Lecture 28 - Tutorial on Confidence Interval
- Lecture 29 - Statistical Inference - Part 6

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- Lecture 30 - Statistical Inference - Part 7
- Lecture 31 - Statistical Inference - Part 8
- Lecture 32 - ANOVA - I
- Lecture 33 - ANOVA - II
- Lecture 34 - ANOVA - III
- Lecture 35 - ANOVA - IV
- Lecture 36 - ANOVA - V
- Lecture 37 - ANOVA - VI
- Lecture 38 - Correlation Analysis - Part I
- Lecture 39 - Correlation Analysis - Part II
- Lecture 40 - Regression Analysis - Part I
- Lecture 41 - Regression Analysis - Part II
- Lecture 42 - Regression Analysis - Part III
- Lecture 43 - Tutorial on Relation Analysis
- Lecture 44 - Auto-Regression Analysis
- Lecture 45 - Logistic Regression - Part I
- Lecture 46 - Logistic Regression - Part II
- Lecture 47 - Logistic Regression - Part III
- Lecture 48 - Tutorial on Logistic Regression
- Lecture 49 - Introduction
- Lecture 50 - Bayesian Classification - Part I
- Lecture 51 - Bayesian Classification - Part II
- Lecture 52 - k-Nearest Neighbor Classification
- Lecture 53 - Tutorial on Classification Techniques
- Lecture 54 - Support Vector Machine - Part I
- Lecture 55 - Support Vector Machine - Part II
- Lecture 56 - Support Vector Machine - Part III
- Lecture 57 - Support Vector Machine - Part IV
- Lecture 58 - Support Vector Machine - Part V
- Lecture 59 - Support Vector Machine - Part VI
- Lecture 60 - Tutorial on SVM