

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

NPTEL Video Course - Civil Engineering - Stochastic Hydrology

Subject Co-ordinator - Prof. P.P. Mujumdar

Co-ordinating Institute - IISc - Bangalore

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

Lecture 1 - Introduction
Lecture 2 - Bivariate Distributions
Lecture 3 - Independence ; Functions of Random Variables
Lecture 4 - Moments of a Distribution
Lecture 5 - Normal Distribution
Lecture 6 - Other Continuous Distributions
Lecture 7 - Parameter Estimation
Lecture 8 - Covariance and Correlation
Lecture 9 - Data Generation
Lecture 10 - Time Series Analysis (1)
Lecture 11 - Time Series Analysis (2)
Lecture 12 - Time Series Analysis (3)
Lecture 13 - Frequency Domain Analysis (1)
Lecture 14 - Frequency Domain Analysis (2) and ARIMA Models (1)
Lecture 15 - ARIMA Models (2)
Lecture 16 - ARIMA Models (3)
Lecture 17 - ARIMA Models (4)
Lecture 18 - Case Studies (1)
Lecture 19 - Case Studies (2)
Lecture 20 - Case Studies (3)
Lecture 21 - Case Studies (4)
Lecture 22 - Markov Chains (1)
Lecture 23 - Markov Chains (2)
Lecture 24 - Frequency Analysis (1)
Lecture 25 - Frequency Analysis (2)
Lecture 26 - Frequency Analysis (3) and Probability Plotting (1)
Lecture 27 - Probability Plotting (2)
Lecture 28 - Goodness of Fit
Lecture 29 - IDF Relationships

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- Lecture 30 - Multiple Linear Regression
- Lecture 31 - Principal Component Analysis
- Lecture 32 - Regression on Principal Components
- Lecture 33 - Multivariate Stochastic Models (1)
- Lecture 34 - Multivariate Stochastic Models (2)
- Lecture 35 - Multivariate Stochastic Models (3)
- Lecture 36 - Data Consistency Checks (1)
- Lecture 37 - Data Consistency Checks (2)
- Lecture 38 - Data Consistency Checks (3)
- Lecture 39 - Recent Applications
- Lecture 40 - Summary of the Course