

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

NPTEL Video Course - Humanities and Social Sciences - NOC:Applied Statistics and Econometrics

Subject Co-ordinator - Prof. Deep Mukherjee

Co-ordinating Institute - IIT - Kanpur

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

Lecture 1 - Introduction to Statistics
Lecture 2 - Introduction to Econometrics
Lecture 3 - Organization and Presentation of Data
Lecture 4 - Summarizing Data through Descriptive Statistics
Lecture 5 - Discrete Random Variable and Probability Distribution
Lecture 6 - Continuous Random Variables and Probability Distribution
Lecture 7 - Normal Distribution
Lecture 8 - Introduction to Statistical Inference
Lecture 9 - Estimation - Part I
Lecture 10 - Estimation - Part II
Lecture 11 - Hypothesis Testing - Part I
Lecture 12 - Hypothesis Testing - Part II
Lecture 13 - Hypothesis Testing - Part III
Lecture 14 - Hypothesis Testing - Part IV
Lecture 15 - Relationship between Qualitative Variables
Lecture 16 - Relationship Between Quantitative Variables
Lecture 17 - Analysis of Variance
Lecture 18 - One Way ANOVA
Lecture 19 - Two Way ANOVA
Lecture 20 - Analysis of Covariance
Lecture 21 - Index Numbers - Part I
Lecture 22 - Index Numbers - Part II
Lecture 23 - Classical Time Series Analysis - Part I
Lecture 24 - Classical Time Series Analysis - Part II
Lecture 25 - Classical Linear Regression Model - Part I
Lecture 26 - Classical Linear Regression Model - Part II
Lecture 27 - Classical Linear Regression Model
Lecture 28 - Hypothesis Testing with CNLRM
Lecture 29 - More on Hypothesis Testing and Model Specification

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- Lecture 30 - Violations of CLRM Assumptions (Heteroskedasticity)
- Lecture 31 - Violations of CLRM Assumptions (Autocorrelation and Multicollinearity)
- Lecture 32 - Time Series Regression with Stationary Data
- Lecture 33 - Time Series Regression with Non-Stationary Data
- Lecture 34 - Regression with Dummy Explanatory Variable
- Lecture 35 - Dummy Dependent Variable Models - Part I
- Lecture 36 - Dummy Dependent Variable Models - Part II
- Lecture 37 - Simultaneous Equations Model
- Lecture 38 - Panel Data Regression
- Lecture 39 - Program Evaluation
- Lecture 40 - Data Analysis and Regression with R
- Lecture 41 - Regression Involving Dummy Variables in R
- Lecture 42 - Time Series Analysis in R