

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

NPTEL Video Course - Mathematics - NOC:Linear Regression Analysis and Forecasting

Subject Co-ordinator - Prof. Shalabh

Co-ordinating Institute - IIT - Kanpur

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

- Lecture 1 - Basic Fundamental Concepts Of Modelling
- Lecture 2 - Regression Model - A Statistical Tool
- Lecture 3 - Simple Linear Regression Analysis
- Lecture 4 - Estimation Of Parameters In Simple Linear Regression Model
- Lecture 5 - Estimation Of Parameters In Simple Linear Regression Model (Continued...)
- Lecture 6 - Estimation Of Parameters In Simple Linear Regression Model (Continued...)
- Lecture 7 - Maximum Likelihood Estimation of Parameters in Simple Linear Regression Model
- Lecture 8 - Testing of Hypothesis and Confidence Interval Estimation in Simple Linear Regression Model
- Lecture 9 - Testing of Hypothesis and Confidence Interval Estimation in Simple Linear Regression Model (Continued...)
- Lecture 10 - Software Implementation in Simple Linear Regression Model using MINITAB
- Lecture 11 - Multiple Linear Regression Model
- Lecture 12 - Estimation of Model Parameters in Multiple Linear Regression Model
- Lecture 13 - Estimation of Model Parameters in Multiple Linear Regression Model (Continued...)
- Lecture 14 - Standardized Regression Coefficients and Testing of Hypothesis
- Lecture 15 - Testing of Hypothesis (Continued...) and Goodness of Fit of the Model
- Lecture 16 - Diagnostics in Multiple Linear Regression Model
- Lecture 17 - Diagnostics in Multiple Linear Regression Model (Continued...)
- Lecture 18 - Diagnostics in Multiple Linear Regression Model (Continued...)
- Lecture 19 - Software Implementation of Multiple Linear Regression Model using MINITAB
- Lecture 20 - Software Implementation of Multiple Linear Regression Model using MINITAB (Continued...)
- Lecture 21 - Forecasting in Multiple Linear Regression Model
- Lecture 22 - Within Sample Forecasting
- Lecture 23 - Outside Sample Forecasting
- Lecture 24 - Software Implementation of Forecasting using MINITAB