

FOCUS

The Four-day short term course on **Fundamentals of Applied Econometrics using STATA** is likely to provide a platform for the participants to acquire knowledge on essential tools and techniques on econometric modeling and its application in industry, trade & development sector. The focus of the course is to highlight: the procedures to describe the data using summary statistics; to find suitable statistical model to describe the data generating process; and to estimate the future values through forecasting. Keeping the aptitude at par, the course also heavily imparts on the practical aspect of providing a hands-on-experience of operation of econometric software package - STATA.

TOPICS

- ◆ Fundamentals of Statistics and Basic Data Handling
- ◆ The Linear Regression Model: Simple and Multiple
- ◆ Functional forms of Linear Regression Model
- ◆ Critical Evaluation of Classical Linear Regression Model: Multicollinearity, Heteroscedasticity, Autocorrelation, Model specification errors.
- ◆ Qualitative Explanatory variables in Regression Models
- ◆ Qualitative Response Regression Models: Logit, Probit and Tobit Model
- ◆ Stochastic Regressors and Method of Instrumental Variables
- ◆ Introduction to Time Series Econometrics

PEDAGOGY

This course will have broadly two components:

- Theoretical Lessons of various econometric models and
- Practical and Hands-on Sessions on econometric software: STATA.

FOR WHOM

The workshop is designed for faculty members in social sciences and humanities having less than/ up to five years of teaching experience and who are currently involved in teachings and research in social science and humanities of Central/ state Institution/ University Department, etc. Besides these the participants can be any of the following careers, such as: Finance Professionals, Market Analysts, Bankers, Business Planners and Analysts, Business Executives, Managers, Academicians, Development Practitioners and Research Scholars.

A FOUR-DAY SHORT-TERM COURSE ON

Fundamentals of Applied Econometrics using STATA (28th September – 1st October, 2015)

REGISTRATION FORM

(Last date for submission of the Registration Form is 31st August, 2015)

- Name:
- Designation:
- Mailing Address:
- Organization:

Telephone No:

E-mail:

- Accommodation required: Yes / No
- Registration Fee Amount:
- DD No..... Date of Issue:
- Bank Name:

Date:

(Signature of the Participant)

Sponsoring Authority

Signature:

Name:

Designation:

Organization:

Date:

(Seal)

The payment is to be made by demand draft drawn on any Nationalized Bank in favour of "Continuing Education, NIT, Rourkela," payable at SBI, REC Campus Branch, Rourkela (Code: 2109).

The application form should be sent to:

Dr. Bikash Ranjan Mishra (Assistant Professor)

Department of Humanities & Social Sciences

National Institute of Technology, Rourkela, Odisha - 769 008

Contact Nos. (0661) 2462790 (O), 7894516320 (Mob)

Email: mishrab@nitrkl.ac.in / bikashranjan.mishra@gmail.com



A FOUR-DAY SHORT-TERM COURSE ON

Fundamentals of Applied Econometrics using STATA

28th September–1st October, 2015



Organised by :

**Department of Humanities & Social Sciences
National Institute of Technology
Rourkela – 769 008 (Odisha)**

INTRODUCTION

Applied econometrics has always been rather poorly served for textbooks, making it difficult for students, researchers and practitioners to get a real feel for how econometrics is actually done. It is unfortunately presumed that econometrics is quite a hard course of study, simply because it could not have been appropriately demonstrated the 'beauty' of econometrics. It will emerge only when the analysts are able to obtain the results from actual data and know how to interpret the results to draw conclusions. However, the theoretical underpinnings should be given importance simultaneously. The short-term course is intended for practitioners who make real world estimation and exploration using pertinent econometric methods. The knowledge of fundamentals of applied econometrics with the help of econometric software package can provide hands-on user skills that will be helpful for basic understanding, scientific analyses, result interpretation and forecasting. The short-term course focuses on demonstrating the techniques using econometric package like STATA as it is widely used in practice and good capability for analyzing both cross-sectional as well as time series data.

OBJECTIVES

The primary objective of the short-term course is to provide orientation in essential theories of Applied Econometrics relevant for academia research and practices in social sectors, like - Health and Education and Financial sectors like - Banking & Insurance, Business corporations, Management and Industry.

- ★ To facilitate the understanding of the basic tools and techniques in applied Econometrics;
- ★ To train and impart advanced econometric tools which are extensively used in the organizational decision making and development policy making;
- ★ To provide hands-on experience of econometric software - STATA;
- ★ To act as a liaison and instrumental agency between experienced Econometricians (both theoreticians and Practitioners) and participants from across the country.

REGISTRATION FEES

Participants sponsored by Academics/Industry/Banks/Government/Private Organizations:	Rs. 8,000/
Local sponsored Participants:	Rs. 5,000/
Non-sponsored Participants/Students/Research Scholars:	Rs. 3,000/

The payment is to be made by demand draft on any Nationalised Bank in favour of **"Continuing Education, NIT, Rourkela,"** payable at SBI, REC Campus Branch, Rourkela (Code:2109).

PARTICIPANTS

Maximum of **25** participants will be selected on **first-cum-first serve** basis. The committee decision on selection of participant is final and binding. However, the participants are encouraged to bring their **own laptop and sample data** if they have any.

ACCOMODATION

Accommodation will be provided to out-station participants in the Institute Guest House on twin-sharing basis.

CERTIFICATE

The participants will be provided certificates on successful completion of the programme.

RESOURCE PERSONS

Resources persons will be basically from the NIT Rourkela. However eminent and accomplished faculty members from reputed institutions will also be called for.

VENUE

Department of Humanities and Social Sciences, National Institute of Technology (NIT), Rourkela, Odisha, PIN-769008, INDIA.

IMPORTANT DATES

- ◆ Last date for receiving the application: **31st August, 2015**
- ◆ Arrival for the Programme: **27th September 2015, Afternoon or Evening**
- ◆ Workshop Date: **28th September – 1st October, 2015**
- ◆ Confirmation to participants about their Participation: **07th September, 2015**

ABOUT THE DEPARTMENT

The Department of Humanities & Social Sciences has been functioning as a full-fledged department since the inception of the institute catering to both undergraduate and postgraduate students. The faculty has wide experience in research, communicating with students of diverse background and in imparting education on Interpersonal skills to students of widely differing abilities.

ABOUT THE INSTITUTE

National Institute of Technology, Rourkela, is an institute of national importance for imparting higher education in India. It is fully funded by the Government of India and is devoted to teaching, research and innovation in various branches of studies. With a reputation for excellence at both undergraduate and postgraduate levels, the goal of the institute is on research, innovation and creating intellectual property of global standard. The institute is spread over 262 hectares of lush green picturesque landscape, against a hilly backdrop, creating a tranquil environment within a completely residential campus for students and faculty.

HOW TO REACH NIT, ROURKELA

En route Howrah – Mumbai main line of South Eastern Railway, it is well connected by railway service network with the rest of India and also by inter- and intra-state bus services. Rourkela railway station is approximately 6 kms from NIT Campus.

CONTACT ADDRESS

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For more information please visit institute

website: <http://www.nitrkl.ac.in/Academic/6ShortTermCourse/Default.aspx>