

**Workshop on**  
**Times-to-Events and Time Series Data Analysis using R**  
**15 - 18, December 2017**



The Department of Statistics, Cochin University of Science and Technology (CUSAT), will be conducting a *Workshop on Times-to-Events and Time Series Data Analysis using R* in collaboration with the International Society for Business and Industrial Statistics (ISBIS) during 15 – 18, December 2017. The workshop will be led by several leading researchers in the two areas and will train participants to reach a higher level of scientific activity, both in terms of their teaching and research and publications or productivity. This workshop will be partially supported by the University Grants Commission (UGC) of India, Department of Science and Technology (DST) under its PURSE program and International Indian statistical association (IISA).

### About the Workshop

Data analysis using up-to-date methodology in the areas of Reliability/Survival Analysis and Time Series remains an important branch of statistical sciences that continues to be a focus for ISBIS, with numerous applications in Business and Industry and intersecting with STEM disciplines (Biomedicine, Finance, Information Technology, Manufacturing, Marketing, Pharmaceuticals, etc.). This workshop will help to train PhD students, research fellows, and junior faculty in various institutions in India on the latest developments in these areas and to mentor them in order to (a) elevate their research to a level that enables publication in international, peer-reviewed journals, and (b) teach the latest developments to the next generation of students, thus enhancing the overall discipline. This is also an opportunity for professionals who may have graduate degrees in statistics or related disciplines but need to acquire the advanced knowledge to be productive in a competitive global workplace. To best

achieve this, initially the participants will be exposed to data analysis using R on both topics, Times-to-Events and Time series. This will be followed by a discussion of these applied topics at an advanced level, perhaps in two sub-groups.

**Selection Procedure:** We seek a diverse pool of nationwide applicants. Applicants must specify their highest degree and research area. From the applicant pool, the Organizing Committee will select suitable participants for the workshop. Priority will be given to those who have prerequisite background in a subgroup area, and are vested in research. This will ensure that the attendees have prerequisite knowledge in the subgroup area in order to grasp the workshop material.

### Tentative list of Resource Persons:

1. Prof. Asha Gopalakrishnan, CUSAT, Cochin
2. Prof. Balakrishna, N., CUSAT, Cochin
3. Prof. Debasis Kundu, IIT, Kanpur
4. Prof. Nalini Ravishanker, University of Connecticut
5. Prof. Sankaran, P.G. CUSAT, Cochin

### Registration:

The registration fee for the workshop is Rs.1500 for participants from Academic institutions (Rs.750 for Students) and Rs.3000 for others. The Registration Fee includes food and moderate accommodation on sharing basis. Outstation participants may claim their to and fro travel expenses up to three-tier train fare. Interested candidates are requested to apply for participation by sending the enclosed registration form on or before 15, October 2017. Selected candidates will be informed by 22, October 2017 and they have to confirm their participation by paying the registration fee on or before 30, October 2017.

The registration fee may be paid through a Bank Draft drawn in favor of **Dr. N. Balakrishna, Convener, STATIB17** payable at **State Bank of India, CUSAT, Cochin 682 022**.

Registration fee can also be remitted through online at the same bank to the **Bank Account No.: 36906898963 (IFSC Code: SBIN0070235, MICR Code: 682002923)**.

# A Workshop on Times-to-Events and Time Series Data Analysis using R

15 - 18, December 2017

Organized by  
Department of Statistics  
Cochin University of Science and Technology



Sponsored by

The University Grants Commission, Government of India

The International Society for Business and Industrial Statistics  
International Indian Statistical Association

## About The University

Cochin University of Science and Technology (CUSAT), established in 1971, is unique in its kind aiming at the promotion of excellence in graduate and post graduate studies and advanced research in applied sciences, technology, engineering, industry, commerce and social sciences. The University is accredited with an A grade by NAAC in 2016.

The performance of the University has reflected in its being chosen as the only Indian University to receive long term massive financial assistance from the Government of Netherlands under the MHO programme. The University has the academic links and exchange programmes with several institutions in North America and Europe. Unique in perception and unparalleled in dedication and commitment to performance, it stands out as a prime centre of learning in Science, Technology and Humanities education in India.

## About The Department

The Department of Statistics was established in 1996 and offers an M.Sc programme in Statistics, M.Tech programme in Engineering Statistics besides research programmes leading to Ph.D degree. The Department is actively engaged in research in the fields of Distribution Theory, Reliability Theory, Time Series Analysis, Stochastic Processes, Survival Analysis, Demography, Population Studies, Chaos and Nonlinear Time Series. The UGC has identified the Department for Special Assistance Programme (SAP) at DRS level III and the DST is extending financial support under the Fund for Improvement of Science and Technology Infrastructure (FIST) programme.

## Organizing Committee:

Dr. N. Balakrishna  
Dr. K. C. James  
Dr. Asha Gopalakrishnan  
Dr. P. G. Sankaran  
Dr. S. M. Sunoj  
Dr. G. Rajesh  
Dr. K.G. Geetha

## Address for Communication:

Prof. N. Balakrishna, Convener, STATIB-2017  
Department of Statistics, Cochin University of Science and Technology,  
Cochin - 682 022.  
E-mail: [nb@cusat.ac.in](mailto:nb@cusat.ac.in), [balajicusat@yahoo.com](mailto:balajicusat@yahoo.com)

**Workshop on  
Times-to-Events and Time Series Data Analysis using R**

**15 - 18 December, 2017**

**Registration Form**

Name: \_\_\_\_\_

Designation & Affiliation: \_\_\_\_\_

Address for correspondence \_\_\_\_\_

Email: \_\_\_\_\_

Telephone: \_\_\_\_\_ Fax: \_\_\_\_\_

Sex: Male  Female

Highest Degree : \_\_\_\_\_ Subject: \_\_\_\_\_

Areas of Specialization : \_\_\_\_\_

Expected Arrival Date \_\_\_\_\_ Time \_\_\_\_\_. Departure Date: \_\_\_\_\_ Time \_\_\_\_\_

Mode of Transportation: Train / Bus / Flight

**\*\*** Do you need accommodation?: \_\_\_\_\_. If yes, for how many?

From \_\_\_\_\_ (Date and Time) to \_\_\_\_\_ (Date and Time)

**\*** Enclosed Demand Draft for Rs. ----- ,

**\*** Name of the Bank and DD No. \_\_\_\_\_ Dated \_\_\_\_\_

**\*** In case of online transfer: Journal number: \_\_\_\_\_ Amount: \_\_\_\_\_, Date: \_\_\_\_\_

Signature: \_\_\_\_\_

Date: \_\_\_\_\_

**\*** Please make the payment only after your final selection.

**\*\*** PS: Accompanying persons, if any have to be registered by paying full fee and they will also be charged for their accommodation.

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Send the filled Registration form to: Prof. N. Balakrishna, The Convener, STATIB-2017, Department of Statistics,  
Cochin University of Science and Technology, Cochin - 682 022.