

Short Term Training Programme on

DATA ANALYTICS WITH OPEN SOURCE STATISTICAL SOFTWARE

October 17 – 21, 2016

gretl



Sponsored by
TEQIP Phase II



Organised by

Department of Economics
Government Engineering College
Thrissur 680 009

Course Coordinator:

Rajesh P.

Asst. Professor of Economics
Govt. Engg. College, Thrissur

■ Objective of the STTP

Data analytics is a fast growing area that helps research process and decision making in almost all disciplines. Many researchers and decision makers are flooded with huge amounts of data but the proper analysis of such huge data set for extracting information is a challenging task to many of them.

The increasing availability of statistical techniques and powerful statistical software packages makes the statistical data analysis easier and precise. The emergence of a number of powerful open source statistical packages makes the data analytics more accessible to the common man.

This training programme aims to provide hands-on training to the participants in data analytics using open source statistical packages.

■ Course Content

The training programme expects to cover the following topics:

- Review of basic statistics and introduction to R
- Descriptive statistical analysis using R
- Applications of hypothesis testing using R.
- Applications of non-parametric tests using R.
- Regression analysis with Gretl
- Time series data analysis using Gretl
- Panel data modelling with Gretl
- Factor analysis, Discriminant analysis and MANOVA using R.
- Structural Equation modelling using R.

■ Pedagogy

The pedagogy for the programme will be a mix of interactive lectures, demonstrations, and hands-on training in open source statistical packages – particularly, 'R' and 'Gretl'.

■ Resource Persons:

Renowned experts in the subject from nationally reputed research institutes, universities and colleges will be handling the sessions.

■ Eligibility

This programme is primarily intended for the faculty members and researchers from the AICTE approved engineering colleges/institutes and professionals from reputed industrial organisations. Since it is an interdisciplinary programme, candidates belonging to all engineering as well as non-engineering disciplines are eligible to participate in it.

No prior knowledge on advanced statistical methods is required for participating in the programme.

■ Registration

Candidates should complete the registration form, and send it by mail/by post to the coordinator as early as possible. The filled-in registration form should reach the course coordinator latest by October 14, 2016. A scanned copy of the registration form may be e-mailed to the coordinator as an advance copy.

A maximum of 30 participants will be selected for the programme. Registrations will be done on 'first come first served' basis.

■ Registration Fee

Registration fee for the external participants: ₹ 1000

The registration fee can be remitted at the time of registration.

Registration fee includes lunch, tea, course materials, and certificate.

Traveling, accommodation and other expenses will have to be borne by the participants.

However, accommodation, if needed, can be arranged on payment basis.

■ Important Dates:

Last date for receiving the filled-in registration form:
14th October, 2016.

Intimation of selection by e-mail: **15th October, 2016.**

Program dates: **17th -21th October, 2016.**



■ **About GEC, Thrissur**

The Government Engineering College, Thrissur, established in 1959, is one of the premier institutes of technological education in Kerala. Affiliated to the APJ Abdul Kalam Technological University, the college offers undergraduate courses in eight branches of engineering subjects and postgraduate and doctoral programme in various disciplines. The college campus is spread over an area of 75 acres and is located at Ramavarmapuram, which is about 5 km from the heart of Thrissur Town and about 6 km from Thrissur Railway Station. GEC, Thrissur is the first government college in Kerala to receive the ISO certification, which clearly reflects its commitment to quality in delivering the technical education to the students.

■ **Address for Communication**

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■ **Enquiry**

For any further clarification or information please contact the coordinator.

■ **Note:**

Participants are requested to bring their own laptops for the practical sessions in data analytics.

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Open Source Statistical Software
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REGISTRATION FORM

(Please use Capital Letters)

1. Name
2. Age 3. Gender : Male Female
4. Designation.....
5. Department.....
6. Organization.....
7. Recognised under AICTE : Yes No
8. Address for Correspondence.....
.....
.....
.....
9. Mobile No.....
10. Email
11. Highest Educational Qualification.....
12. Years of Professional Experience.....

Declaration by the Applicant

The above mentioned information is true to the best of my knowledge and belief. I agree to abide by the rules and regulations governing the course.

Place:

Date:

Signature of the Applicant

Recommendation by the Head of the Institution

Mr./Ms./Mrs./Dr.....
is an employee of this institution. He/she will be permitted to attend the training programme, if selected.

Place:

Date:

Signature of the Principal /
Head of the Institution

Office seal

Photocopies can be used