Online
R Programming Language Workshop

Registration starts on

📅 **23 October 2020**

FOSSEE, IIT Bombay is arranging online workshops to enhance your profile and skills in this lockdown situation. Now anyone can learn niche engineering software at the comfort of their home through these workshops. There will be two levels of these workshops:

ADVANCED
R Workshop
📅 21 November 2020

BEGINNER
R Workshop
📅 28 November 2020

R programming language is a Free/Libre and Open Source Software (FLOSS) a well-organized and sophisticated package that facilitates data analysis, modeling, inferential testing, and forecasting. R is a user-friendly software that allows creating new function commands to solve statistical problems. R is one of the most preferred languages for analytics and data science. It runs on a variety of UNIX platforms (and similar systems such as LINUX), Windows, & Mac OS X.

ADVANCED

Who can attend?:

Anyone who can solve the allotted assignment using R programming language within the stipulated time

The workshop will cover the following topics:

- Linear Discriminant Analysis
- Decision Tree
- Hierarchical Clustering
- K Means Clustering
- Random Forest Algorithm

Benefits:

- Learn to apply machine learning techniques on a given data
- Learn to perform data visualization
- Certificate for attending the Advanced Workshop.
- Can get selected as TA for Beginner Level Workshop

BEGINNER

Who can attend?:

Anyone from Engineering, Science, or Social Science background

The workshop will cover the following topics:

- Working directories in RStudio
- Merging and Importing Data
- Plotting Histograms and Pie Chart
- Introduction to ggplot 2
- Aesthetic Mapping in ggplot 2
- Data Manipulation using dplyr Package
- Pipe Operator
- How to create Rmarkdown file in R
- Simulation/Animation using R.

Benefits:

- Learn basic R programming
- Learn to perform data visualization
- Learn data manipulation techniques using R
- Certificate for Beginner Workshop

Flowchart:

Registration and payment for **Advanced** Workshop → Solve the allotted assignment using R programming language → Approved / Not Approved

Not Approved → Auto enrollment to Beginner Workshop

Approved → Attend Workshop → R Advanced Level Certificate + Be a TA* for Beginner Workshop
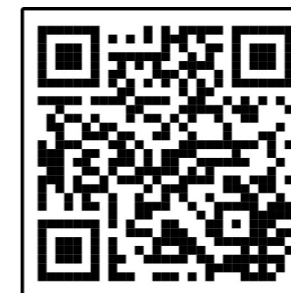
* Teaching Assistant

Registration and payment for **Beginner** Workshop → Attend Workshop → R Beginner Level Certificate

Limited seats

Scan to Register

Contact us :
eoutreach@it.iitb.ac.in

For more details visit:
http://www.it.iitb.ac.in/nmeict/announcements.html

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