"Statistics is the **GRAMMAR** of SCIENCE."

– Karl Pearson

Statistical Techniques for Data Science

Intensive 'hands-on' training programme to learn Statistics, from basic to advanced tools and; to derive professional expertise in Statistics for Data Science, in the simplest possible way!

NORMA SCHOOL

www.normaschool.com

EVEN PERFECTION CAN BE IMPROVED!

UNIQUE TRAINING PROGRAMME

96 Hours of intensive 'hands-on' training, **online** and **offline**!

Learn Statistics from the basics to applications along with the easiest statistical software, **IBM SPSS Statistics** and free and open source software, **Jamovi**.

This programme has the objective to make you an expert in the theoretical as well as applied aspects of Statistics, essential and inevitable for Data Science. Sound foundation and professional competency in Statistics will enable the participants to delve more into data science with programming languages like R and Python.

The training programme is designed in such a way that any computer literate without any expertise in statistics or statistical software can make use of the programme.

WHO CAN BENEFIT?

This program is intended for aspirants and professionals in data science career.

But, Economists, Business Analysts, Financial / Stock Market Experts, Faculty Members, Research Scholars, Postgraduate Students - all those who want to possess professional grade ability in statistical model building and analysis will find the programme highly useful.
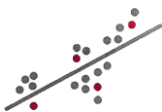
Anyone handling data sets can have clear advantage!

COURSE CONTENT

The programme is unique in its content and mode of conduct.

- Data Science, Statistics and Software
- Data Preparation Techniques
- Visualisation of Data
- Exploratory Statistics
- Inferential Statistics: Foundations, Parametric Tests, Non-Parametric Tests
- Analysis of Associations and Relationships
- Reliability Analysis
- Overview of Multivariate Analysis
- Principal Components Analysis (PCA) / Exploratory Factor Analysis (EFA)
- Multiple, Partial and Canonical Correlations

- Analysis of Causality: Simple and Multiple Regression Analysis
- Logistic Regression Analysis
- Survival Analysis
- MANOVA and MANCOVA
- Discriminant Analysis
- Cluster Analysis
- Decision Tree
- Nearest Neighbor Analysis
- Multidimensional Scaling (Perceptual Mapping)
- Correspondence Analysis
- Conjoint Analysis
- Statistical Simulation
- Time Series Analysis and Forecasting
- Road ahead

AFTER THE PROGRAMME, YOU WILL BE ABLE TO:

Understand concepts, tools and techniques of Statistics

Prepare datasets for statistical modelling and analysis

Use statistical software with professional competency

Build statistical models for data science problems.

Interpret statistical results and prepare reports

PROGRAMME CONDUCT

The programme is designed as *Online and Offline Programmes* with duration of 3 Months and 12 Days respectively. Both modes consist of 48 sessions and a total of 96 hours of learning experience.

Online programme includes 2 hours of learning (8:30 to 10:30 pm) on 4 days in a week (Sunday, Monday, Wednesday and Friday) for 3 months.

Offline programmes includes 8 hours of learning (8 am to 5 pm) for 2 weeks (12 full days).

Both modes consist of intensive, live instructor-led interactive lecturing supported with hands-on workouts.

The training will use the statistical software, **IBM SPSS Statistics** and **Jamovi**, on which you are expected to derive professional grade command.

Each participant will receive individual attention from the trainer. Participants will be given course material in the form of presentation slides with required links to supportive documents and web resources.

Participants will be awarded *Certificate of Participation* on the successful completion of the programme.

RESOURCE PERSON

The programme will be led by Dr. Binoy John KV, the Director of Norma School. He has more than 28 years of experience in professional research and teaching. With academics from Jawaharlal Nehru University (JNU), New Delhi, Centre for Development Studies (CDS), and University of Kerala, Trivandrum, he has worked in the capacities of Senior Lecturer in Econometrics, Data Analyst, and Project Director with various international and national research projects.
He has conducted numerous training programmes in data analytics. He remains as consultant, advisor and visiting faculty with various institutes, governmental and non-governmental organisations and corporates.
Know more about him at:
www.binoyjohn.com

FEATURES OF THE PROGRAMME

Zero Background Requirement:

Innovatively designed programme easy even to beginners with zero background. You need not be a math/ stat/ computer wizard to attend it!

100% Hands-on Training:

From the beginning to the end of the training programme, participants are learning by doing. You easily become confident in what all you learn.

Innovative Designs:

Programme contents are designed with academic as well as industry requirements in mind. You become a professional in what you learn.

Intensive Methods:

The intensive approach transforms a beginner into an expert within the deliberately designed time frame. Its time tested and time proven!

Informal Approach:

Totally informal approach to learning. Small group of participants and personal attention to each participant. It is almost like a personal training at your home.

Best Available Resources:

Best available course materials, latest versions of software, best available text books, and the best available resource persons.

Free Refresher Programmes:

Free refresher programmes, conducted every year, keep you brushed up and updated on the topics. Stay ahead, always!

Cost Effectiveness:

Training at Norma School is the best cost-effective professional training you can ever attend. Dare to compare it with international standards.

WHAT PARTICIPANTS SAY…

Read reviews at www.normaschool.com/participants

ADMISSION AND FEE

Admission is on first come first serve basis; Number of seats is limited to 12 to ensure individual attention.

Fee: Offline programme: INR 1,44,000 or USD 1850.
     Online Programme: INR 72,000 or USD 925.

HOW TO REGISTER?

It's really simple!
Visit: https://www.normaschool.com/registration

For help, call: +91-9037412343
We are always happy to help you.

PROGRAMME CALENDAR!

Visit our website for the Programme Calendar of all scheduled training programmes for the year. Plan your training and ensure your seat by advance booking.

NORMA SCHOOL

PB No. 2505, Medical College PO, Thiruvananthapuram 695 011, Kerala, India
Phone: +91-9037412343 E-mail: office@normaschool.com
Website: www.normaschool.com