AIMA
ALL INDIA MANAGEMENT ASSOCIATION

Statistical Essentials for Professionals

Specially designed refresher course in Basic Statistics

ONLINE TRAINING

20 Hours I 5 Days I Live Sessions

Call to register
09810475327

saumya@aima.in
www.aima.in

DON'T LET STATISTICS SCARE YOU AWAY FROM YOUR GROWTH PATH!

To be able to progress in your career, to take up leadership roles in an organisation, to be more efficient, it is crutial to understand and analyse DATA, including business , customer , operational efficiency , marketing and financial data etc. All business decisions are taken based on data. It is a must for professionals at all levels and sectors to be able to have an understanding of basics of statistics. The basic understanding will future help professionals learn advance level of knowledge and skills on data analytics.

AIMA's training will familiarize learners with the implementation of the various statistical techniques, and how various techniques are employed in the real-world to analyse and conclude insights.

OBJECTIVE

This is an introductory course on Statistics which refresh participants with basic concepts in central tendency, variation, probability, correlation and regression and hypothesis testing. It will cover the basics on these topics so that participants can then learn data analytics.

PRE-REQUISITE

Participants must have basic proficiency in high school mathematics. They should also be ready to participate during the online classes so that a two way communication is possible.

DATES 2023

5th August (Saturday)   18th August (Friday)
19th August (Saturday)   25th August (Friday)
26th August (Saturday)
                                 Session Timing   1000hrs - 1400hrs

TRAINING CONTENT COVERAGE

- Classification of variables into discrete, continuous, levels of measurements and the statistics permitted with each levels.
- Examining the shape distribution of data using histograms, stem and leaf plots, scatter plots, detecting outliers using box and whisker plots, variance analysis, leverage, Cooks distance etc. Testing for normality, linearity, homoscedasticity etc.
- Basic rules of probability
- Binomial distribution, Poisson distribution, concept of continuous probability distribution, and Normal distribution.
- Concept of sampling, sampling distribution, sample size determination, and estimation of parameter.
- Hypothesis testing :

  i. Concept of hypothesis testing, type I and type II error,
  ii. Single mean , paired t-test, independent t- test
  iii. Single factor Anova
  iv. Chi-square test.

- Basic correlation, and simple regression analysis.
- Interpretation of results obtained in regression analysis
- Testing assumptions of variables used in regression analysis.
- Multiple regression analysis
- Use of dummy variables in regression analysis.

Most topics will be covered using hypothetical data sets and discussions through an interactive mode.

REGISTARTION FEE

Rs.9000 + 18% GST per participant I Discount of 10% on 2 or more participants from same organization I   10% discount for AIMA Members, AIMA - VC Council Members