



Statistics for Researchers

Classroom Training and Certification Program

Jointly Delivered by



Indian Statistical Institute
Pune Unit



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PROGRAM OVERVIEW

Research is an unavoidable aspect of engagement for academia. Statistics is often used to reinforce a research point or subject. Statistics allows a domain research to proceed to the intended conclusion with factual arguments. However, not all researchers are able to understand the role of statistics and adapt it in their research.

In this program, the Indian Statistical Institute, Pune chapter outlines the topics that help researchers get clarity on the role of statistics in research.

WHO SHOULD ENROLL?

- Researchers
- Faculty members.

WHO SHOULD ATTEND?

Executive members of an organization

EXAM AND CERTIFICATION

ISI will award participants a formal certificate of Statistics for Researchers after the participants pass a test conducted on the last day of the session with at least 70% score.

PROGRAM CURRICULUM

Introduction

Research methodology and statistics - the interface elements

BASIC STATISTICS

- Data Preparation
- Problem Formulations
- Probability, Random Variable, Probability Distributions, Estimation, summaries of statistics and data visualisations
- Sampling distributions and Test of Hypothesis

Multivariate statistics - Principal Factor Analysis and Factor Analysis, Clustering

MODELLING

- Multiple Linear Regressions
- Logistic Regression
- Decision Tree

DoE & ANOVA

Case Studies & Participants' Cases

DURATION

Upto 3 Days (Customisable as per requirements)

COURSE FEE: INR 6,000 (+GST)

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- Six Sigma Yellow Belt
- Six Sigma Green Belt
- Post Graduate Program in Data Science
- Six Sigma Black Belt
- Master Black Belt
- Lean Six Sigma Supplement Program
- Design for Six Sigma Supplement

**Certification - Awarded Jointly by
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