



INDIAN STATISTICAL INSTITUTE
SQC&OR UNIT, PUNE
www.sqcpune.org

DATA ANALYTIC CERTIFICATION PROGRAM
FOR 12 DAYS OF CLASSROOM SESSION DURING 12-24 MARCH 2018



It is a unique institution, devoted to the research, teaching & application of not only statistics and allied sciences, but also the natural sciences, social sciences and their interface with the statistics. Founded by Prof. P. C. Mahalanobis, a Physicist turned Statistician; the Institute has been accorded the status of an INSTITUTE OF NATIONAL IMPORTANCE, by an Act of Parliament, 1959.

Yesteryears' trend suggests that the analysis of data have been more in improving operational processes like manufacturing, service provision, quality control and the likes. Literatures of data analysis are also tuned with the orientation to serve the purpose of operational excellence focused towards more of internal processes in the entire business processes. However, every businessman knows how important are the external influences on their processes and available analytical ability hardly succeeded to address the external concerns. Due to this, decisions to tackle external influences are often taken on intuition and perceptions. Many of such decisions often went counterproductive.

Current practices of developing business analytic to gather business intelligence are more focused towards tabular analysis and data visualization and less of even basic data analysis and scientific data mining activities requiring good depth of univariate and multivariate statistical techniques. Already known conclusions and wishful conclusions are presented in visual graphs and charts in many of the routinely exercised business analytic reports using quite costly 'customized' software! Discover unknown information from the available data, predict future with accuracy, and manage the knowledge of external environment impacting your business is a few key deliverables of business analytic. ISI, Pune's Data Analysts and Miners are here to support you to reach out to these deliverables.

Who can enrol?

Manager and above who would need to extract information from data, they routinely encounter from the areas such as Retail, Banking, BPO, IT, Sales & Marketing, Supply chain, Strategic management etc. We strongly recommend the participants to come from Mathematical and statistical background with acquaintance of data analysis software such as Minitab, JMP, R, SAS etc.

Certification Requirements:

Data Analyst Certificate will be issued after successful completion of Content Test and a test of the Data Analytic Assignment to be completed during the session with $\geq 70\%$ marks in the test

conducted on the last day of the session. **Guidance would also be given to complete Data Analytic assignment to the participants on need-basis within 3 months of time after the classroom session.**

Schedule

12 Day Program: 12-24 MARCH 2018

9:30 am to 5:00 pm

Location

3rd Floor, B-9, Anandvan Co-op. Hsg. Soc., Survey Number 36, Kothrud, Pune- 411 038.
Near Gandhi Bhavan, Adjacent to Swaroop Park

Course Fee

INR 60,000/- per participant. (Plus applicable GST @18% ie., INR 10,800) Totalling to INR 70,800/-. Participant would have to pay by cheque favouring INDIAN STATISTICAL INSTITUTE, payable at Pune.

Mode of Payment:

- Drawing a Cheque/DD in favour of **"Indian Statistical Institute" payable at Pune**
- For RTGS or NEFT: **Current account number 11138205207 with State Bank of India, Erandavana Branch; IFSC No. SBIN0004618.**

Note :

1. The above fee is also inclusive of Course Material, Breakfast, Lunch and Refreshments.
2. For registration procedure please refer to the registration form available at <http://www.sqcpune.org/training-programs/training-calendar> or email us for the same

Course Content:

Date	Topic
12-17 Mar-18	Introduction to Data Analytic
	Basic Statistics
	Visual Analytics
	Exploratory Data Analysis
	Classification
19-24 Mar-18	Regression, Logistic Regression, Tree-based modelling, ANN, SVM, Naïve Baye's Classifier, Ensembling
	Clustering, Affinity Analysis, Time Series Analysis, Functional Analytics with Case studies and Examination

Contact Details

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