QTanalytics™

Consulting | Research | Training

QTanalytics Skill Enhancement Add on Courses

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Greetings from QTanalytics™!!

QTanalytics™ India is a statistical consulting, research and training provider firm with a bright and experienced team of professionals, who consistently strive to achieve a common goal of service excellence. We have helped hundreds of individual and corporate clients find solutions to complex problems through the use of advanced statistical tools and structural equation modelling. What sets us apart is a core competency in the primary survey, data arrangements, data mining and conducting an appropriate statistical analysis. Our team have been helping the clients (India & Overseas) in finding statistical data solutions, both general as well as specialist research services for data processing, reporting & advance analytics.

QTanalytics™ offers various Skill Enhancement Add on Courses on on software like EXCEL, SPSS, AMOS, STATA, STATCRAFT, EVIEWS, MINITAB, R, PYTHON and SAS, Artificial Intelligence AI for P.G. Students/research scholars/faculty and professionals. Please visit http://qtanalytics.in/trainings/ for some recent and upcoming programs.

Data Analytics Using SPSS

Day I	Importance of Data Analytics tools in Research and Role of SPSS	Lecture
	Primary Survey Analysis: Univariate, Bi-variate Analysis	SPSS *Lab*
	Multivariate Analysis Using SPSS	SPSS *Lab*
Day II	Multiple Regression Analysis	Lecture
	Inferential Statistics: Testing of Hypothesis "t", "Z", "F" and Chi-square Test	SPSS *Lab*
	Case Analysis	SPSS *Lab*
Day III	ANOVA Models (ANOVA, ANCOVA, MANVOA & MANCOVA)	Lecture
	Case Analysis	SPSS *Lab*
	Practice Session	SPSS *Lab*

Course Duration: **15 Hours** (Three Days), *Course fee*: **Rs.2200/- per participant**

Data Analytics and Neural Networks Using SPSS

Day I	Importance of Data Analytics tools in Research and Role of SPSS	Lecture
	Primary Survey Analysis: Univariate, Bi-variate Analysis	SPSS *Lab*
	Multivariate Analysis Using SPSS	SPSS *Lab*
Day II	Multiple Regression Analysis	Lecture
	Inferential Statistics: Testing of Hypothesis "t", "Z", "F" and Chi-square Test	SPSS *Lab*
	Case Analysis	SPSS *Lab*
Day III	Neural Networks	Lecture
	Case Analysis	SPSS *Lab*
	Practice Session	SPSS *Lab*

Course Duration: **15 Hours** (Three Days), *Course fee*: **Rs.2200/- per participant**

Data Analytics Using SPSS & AMOS

Day I	Importance of Data Analytics tools in Research and Role of SPSS	Lecture
	Primary Survey Analysis: Univariate, Bi-variate Analysis	SPSS *Lab*
	Multivariate Analysis Using SPSS	SPSS *Lab*
Day II	Multiple Regression Analysis	Lecture
	Inferential Statistics: Testing of Hypothesis "t", "Z", "F" and Chi-square Test	SPSS *Lab*
	Case Analysis	SPSS *Lab*
Day III	Introduction to Structural Equation Modelling (SEM) with AMOS	Lecture
	Case Analysis	AMOS *Lab*
	Practice Session	AMOS *Lab*

Course Duration: **15 Hours** (Three Days), *Course fee*: **Rs.2200/- per participant**

Structural Equation Modelling with AMOS

Day I	Importance of Data Analytics tools in Research and Role of AMOS	Lecture
	Multiple Regression Analysis and Factor Analysis	Lecture
	Case Analysis	SPSS *Lab*
Day II	Introduction to Structural Equation Modelling (SEM)	Lecture
	Construct analysis and Confirmatory Factor Analysis, Convergent and Discriminant Validity	AMOS *Lab*
	Case Analysis	AMOS *Lab*
Day III	SEM analysis with AMOS	Lecture
	Case Analysis	AMOS *Lab*
	Practice Session	AMOS *Lab*

Course Duration: **15 Hours** (Three Days), *Course fee*: **Rs.2400/- per participant**

Data Analytics Using EXCEL & SPSS

Day I	Introduction to Data and Management in Spreadsheet Environment	Lecture
	Use of Filters, sorting & conditional formatting, text functions, count functions, basic statistical functions, Look up functions	EXCEL *Lab*
	Selecting appropriate charts, Pivot tables and Charts	EXCEL *Lab*
Day II	Importance of Data Analytics tools in Research and Role of SPSS	Lecture
	Primary Survey Analysis: Univariate, Bi-variate Analysis	SPSS *Lab*
	Multivariate Analysis Using SPSS	SPSS *Lab*
Day III	Multiple Regression Analysis	Lecture
	Inferential Statistics: Testing of Hypothesis "t", "Z", "F" and Chi-square Test	SPSS *Lab*
	Case Analysis	SPSS *Lab*

Course Duration: **15 Hours** (Three Days), *Course fee*: **Rs.2200/- per participant**

Advanced EXCEL

Day	Topic	Mode
Day I	Basics of Excel with historical data on Equity, Commodity etc Editing and basic formatting	Lecture
	Data Filter, Sort, custom sort, Advanced Filter Using Pivot tables & Charts	EXCEL *Lab*
	Conditional formatting, Finding duplicates, Inserting/hiding comments Data text to columns using delimiters	EXCEL *Lab*
Day II	Lookup functions: HYPERLINK, INDEX, INDIRECT, MATCH, OFFSET, VLOOKUP, HLOOKUP, LEN	EXCEL *Lab*
	What IF Analysis, Data validation, Goal Seek	EXCEL *Lab*
	Financial Functions: PMT, PPMT, FV, PV, NPER, RATE, NPV	EXCEL *Lab*
Day III	Statistical measures: Average, Median, Mode, Std deviation, Range Min Max, Variance, Coefficient of variation, Correlation and Regression	EXCEL *Lab*
	Solver: Optimization (Linear, Transportation problems)	EXCEL *Lab*
	Practice session	EXCEL *Lab*

Course Duration: **15 Hours** (Three Days), *Course fee*: **Rs.2200/- per participant**

Data Analytics Using R

Day	Topic	Mode
Day I	Introduction to the R Environment, Importing data from other formats	Lecture
	Basics of working with R, Descriptive Statistics	R *Lab*
	Practice session	R *Lab*
Day II	Exploratory data Analysis and Graphics	R *Lab*
	Correlation, Correlogram and Regression Analysis	R *Lab*
	Practice Session	R *Lab*
Day III	Hypothesis Testing and ANOVA	R *Lab*
	Case Analysis	R *Lab*
	Practice session	R *Lab*

Course Duration: **15 Hours** (Three Days), *Course fee*: **Rs.2200/- per participant**

Data Analytics Using PYTHON

Day	Topic	Mode
Day I	Introduction to the PYTHON, Importing data from other formats	Lecture
	Basics of working with Python, Descriptive Statistics	Python *Lab*
	Practice session	Python *Lab*
Day II	Exploratory data Analysis and Graphics	Python *Lab*
	Correlation, and Regression Analysis	Python *Lab*
	Practice Session	Python *Lab*
Day III	Hypothesis Testing and ANOVA	Python *Lab*
	Case Analysis	Python *Lab*
	Practice session	Python *Lab*

Course Duration: **15 Hours** (Three Days), *Course fee*: **Rs.2200/- per participant**

Data Analytics Using SAS

Day I	Introduction to SAS Base, Importing data	Lecture
	Basics of working with SAS, Descriptive Statistics	SAS *Lab*
	Practice session	SAS *Lab*
Day II	Exploratory data Analysis and Graphics	SAS *Lab*
	Correlation and Regression Analysis	SAS *Lab*
	Practice Session	SAS *Lab*
Day III	Hypothesis Testing and ANOVA	SAS *Lab*
	Case Analysis	SAS *Lab*
	Practice session	SAS *Lab*

Course Duration: **15 Hours** (Three Days), *Course fee*: **Rs.2800/- per participant**

Data Analytics Using R & SAS

Day I	Introduction to R Environment, Basics of working with R	Lecture
	Importing Data from other Formats, Descriptive Statistics	R *Lab*
	Practice session	R *Lab*
Day II	Exploratory data Analysis and Graphics	R *Lab*
	Correlation and Regression Analysis	R *Lab*
	Practice Session	R *Lab*
Day III	Introduction to SAS, Data Analytics	SAS *Lab*
	Descriptive Statistics, Cross Tab Analysis	SAS *Lab*
	Correlation and Regression Analysis	SAS *Lab*

Course Duration: **15 Hours** (Three Days), *Course fee*: **Rs.2400/- per participant**

Financial Modelling Using EXCEL

Day I	Financial Statements Preparations & Analysis: Depreciation Schedules, Amortisation Schedules, Revenues & Cost Statement	Lecture
	Cash Flow Statements & Analysis	EXCEL *Lab*
	Excel Function: Basic, logical and Sorting functions	EXCEL *Lab*
Day II	Valuations: Net worth computation, DCF Analysis, NPV & IRR	EXCEL *Lab*
	Multiples Based Valuations	EXCEL *Lab*
	Financial Functions: PMT, PPMT, FV, PV, NPER, RATE, NPV	EXCEL *Lab*
Day III	Decision Making: Simulation, Sensitivity and Bootstrapping	EXCEL *Lab*
	What IF Analysis, Scenario Manager, Data validation, Goal Seek	EXCEL *Lab*
	Practice session	EXCEL *Lab*

Course Duration: **15 Hours** (Three Days), *Course fee*: **Rs.2400/- per participant**

Financial Econometrics Using EVIEWS

Day	Topic	Type
Day I	Introduction to Data Analytics and Importance of EVIEWS	Lecture
	Estimating Regression and diagnostics Heteroscedasticity, Multicollinearity	EVIEWS *Lab*
	Stationarity and Testing Autocorrelation	EVIEWS *Lab*
Day II	Basics of (G) ARCH modelling	EVIEWS *Lab*
	ARCH, GARCH, EGARCH models	EVIEWS *Lab*
	Practice Session	EVIEWS *Lab*
Day III	Basics of VAR, SVAR models	EVIEWS *Lab*
	VECM models	EVIEWS *Lab*
	Practice session	EVIEWS *Lab*

Course Duration: **15 Hours** (Three Days), *Course fee*: **Rs.2400/- per participant**

Business Analytics and Risk Management Using R Programs

Day	Topic	Type
Day I	Introduction to Data Analytics and Importance of R	Lecture
	Data Types in R, Importing and handling data in R	R *Lab*
	Working with functions	R *Lab*
Day II	Exploratory data analysis and Graphics	R *Lab*
	Decision Trees, Data Clustering, Data Reduction and Visual Analytics	R *Lab*
	Practice Session	R *Lab*
Day III	Identification and measurement of Financial and non-financial risk	Lecture
	Risk Mitigation strategies, Development of ERM framework	R *Lab*
	Practice session	R *Lab*

Course Duration: **15 Hours** (Three Days), *Course fee*: **Rs.2400/- per participant**

Kindly Note:

- All Course fee are inclusive of 18% GST (GSTIN: 07APCPM64701ZB)
- Program fee includes availability of resource persons for hands on training, study material (Print & soft copies)
- Printed certificates (duly signed by host and QTanalytics)
- All evaluation of assignments, Quiz will be managed online at http://qtanalytics.in/

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