

DATA SCIENCE & BUSINESS ANALYTICS COURSES

Introduction to Data Science and Business Analytics

Data Science is a combination of various tools, algorithms, and machine learning principles with the goal to discover best insights from the raw data.

Both Data Science and Business Analytics involve data gathering and modeling to generate insights for decision making. *Data Science* is the superset of the two and combines data collation, data cleaning, programming and statistical modelling to gain insights on social, scientific and business subjects. In comparison, *Business Analytics* is generally used to address business related issues like sales trends, customer preferences, profitability, quality etc.



Very large volumes of data are being generated each minute in different industries like Retail, Banking, Finance, Automobile, Healthcare, Telecom and Public sector. With the availability of data, data science has become immensely popular in today's world as it helps in extracting hidden patterns and gaining better insights on business performance, for improved decision making.

Advanced data science processes involves mathematical approaches to interpreting data, more complex statistical methods and machine-driven techniques like deep learning to identify patterns, correlations and groupings in data sets, which helps in prediction about future behavior. Machine Learning and Artificial Intelligence are gaining traction and will be increasingly used in Data Science applications.

Predictive analytics, data mining and machine learning are just some of the analytical tools in advanced data science.

Need for Acquiring Data Science Skills

As demand for deriving insights from data increases, one needs to understand how to manage tasks like:

- > Data Manipulation i.e. organizing, arranging, summarizing etc.
- > Data Communication with visualization techniques
- > Data analysis with statistical algorithms which is analyzing & discovering "insights".

Course Offerings

In order to provide a good learning experience in Data Science and Business Analytics, we have designed our courses with the requisite breadth and depth. Our courses are **modular** so that students can select a combination of courses they are interested in.



Course Design

The courses are **online**, so students can learn at their own pace and convenience 24/7 and will have the flexibility to learn over a period of time. The course content is accessible form multiple devices. For some of our courses, we offer **blended learning** to enhance the learning experience.

Learn Anywhere



Data Science



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Learn Anytime

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ML &

Industry Oriented Courses

- Designed by professionals with rich experience in DS
- Industry Relevant





- Facilitators have both industry and teaching experience
- Equip students for better jobs





What We Offer

- Finest learning content for Data Science technology and software tools
- Content in form of PPTs, PDFs, online reading and reference material, datasets for practice, case studies and quizzes for self-assessment
- Certificate of Completion
- Unlimited practice time with practical sessions #
- Course upgrades and new case studies periodically

The courses are online, so students can learn at their own pace and convenience 24/7. The course content is accessible form multiple devices.

Course Objectives

After completing this course students can:

- Obtain, clean, transform, and process raw data into usable formats
- Work with advance statistical methods for inference and prediction
- Organize and perform a complete analysis, from exploration, to analysis, to synthesis, to communication
- > Get familiarized on tools like R & Python with advanced techniques like AI & ML

Data Science Virtual

IMPORTANCE OF DATA HANDLING USING SQL

TOOLS

Data describes the facts and figures that an organization processes every day. Data becomes information MI & after it has been processed to add context, relevance and purpose.

Data processing is Important since more reliable and better decisions can be taken to improve productivity and profitability. The ability to analyze and act on data is becoming increasingly important, for businesses to react quickly to changing demands from customers and business. TKA

Data management can be divided into two parts

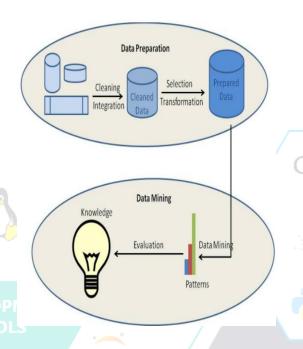
- Data Storing
- Data Preparation & Cleaning

DATA EXPLORATION & VISUALIZATION

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Data Storage:

In today's business world data storage and access is very critical and essential, so that important information on business performance can be monitored. Current business practices place a lot of prominence on IT infrastructure that serves and stores it.



Data Preparation

Data Preparation involves checking or logging the data in; checking the data for accuracy; entering the data into the computer; transforming the data; and developing and documenting a database structure that integrates the various measures.

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"In simple words data preparation is the process of collecting, cleaning, and consolidating data into one file or data table, primarily

____DATA_



MS SQL



SQL Server

About MS SQL

SQL stands for **S**tructured **Q**uery **L**anguage. SQL is the standard language of Database and is also pronounced as Sequel. SQL is the primary language responsible for managing data and data structures contained within a relational database management system.

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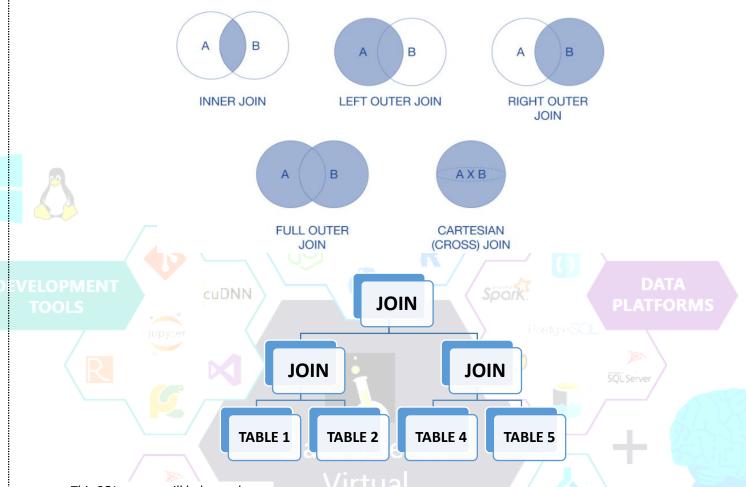
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Since data is very important in today's business world saving and maintaining it is also essential. Learning SQL will allow you to mine data with greater efficiency. Using basic queries you can identify specific data at time intervals, view update events, monitor table activity, and much more. Data is saved in different tables at different layers in a data base, so joining these multiple table using advanced SQL techniques along with applying complex statistical techniques into this data can bring some good insights like:

- How the business is performing?
- ➤ How the business will perform in future?





This SQL course will help you know:

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- How to get data from multiple tables in my database?
- What types of methods are there to do this?
- What are joins and unions and how are they different from one another?
- When should I use each one compared to the others?

Why this course?

Ability to write the SQL language is essential for those who develop database applications. SQL is particularly effective for data manipulation. This course provides a solid foundation of the SQL programming language that covers the concepts of SQL programming, where you can create and maintain database objects, store, retrieve and manipulate data using advanced techniques.

What you'll learn in this course?



This course will help students or professionals to understand the basic importance and functionalities of SQL, where one can create new databases, create new tables, update them and execute queries. You will also learn advanced techniques such as joining multiple tables using different types of joins, complex queries like sub queries, coalesce, case statement, having etc.

MS SQL COURSE CONTENTS



LEVEL 1 - BEGINNERS COURSE
Introducing SQL
*What Is SQL?
*Types Of SQL Commands: DDL, DML, DCL
*What Is Data? What Are Database Objects?
*What Is A Schema?
Tables
*What is a Table?
*Creating, Update, Drop & Delete Table Using SQL
Writing SQL Statements
*Selecting Data
*Selecting Columns
*Selecting Sample
*Selecting Top Rows
SQL Editing Functions
*Add & Rename Column
SQL Cast VI a C
SQL Case Statement
SQL To Date
SQL Conjunctive Operators
*SQL And & Or
Other Important Functionalities
*SQL Distinct
*SQL Where Clause
*SQL In Function
*SQL Between Function
*SQL Alias
*SQL CONCATENATE
*SQL TRIM
*SQL LENGTH
*SQL LIKE

ANGUALEVEL 2 - MASTERS COURSE
SQL Joins
*SQL Inner Join
*SQL Outer Join
*SQL Left Join
*SQL Right Join A DATA
Advance SQL Joins PLATFORMS
*SQL Cross Join
*SQL Union
*SQL Union All
*SQL Minus
SQL Coalesce
SQL Mathematical Function
*SQL Average
*SQL Count
*SQL Subtraction
*SQL Multiplication
*SQL Division
*SQL Max
*SQL Min
*SQL Sum
*SQL Round
Aggregate Functions
*The Group By Clause
*The Having Clause
SQL Is null Function
SQL If null Function
SQL Sub-Query
SQL Convert
SQL Substring
SQL In string



REPORTING & ITS IMPORTANCE USING EXCEL

About Excel

Microsoft Excel is the most commonly used spreadsheet application. Excel is a good stepping stone for people who are new to the world of data analysis or reporting. Excel, with its wide range of functions, visualization and arrays, empowers you to quickly generate insights from data. Knowledge of MS Excel increases the efficiency at work to get more work done in less time.

Reporting is the process of organizing data into informational summaries in order to monitor how different areas of a business are performing. Reporting translates raw data into useful information. Reporting is most important key aspect in today's analytical world. With good reporting end users can consume integrated data in an efficient manner to drive proactive decision-making for competitive advantage.

PLATFORMS

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Reporting is becoming critical for all organizations, and enhances the ability to make more informed evidence-based decisions.

Right reporting can have a significant impact on an organization, fundamentally changing the way people perform their jobs and how decisions are made.

DATA ANALYTICS & VISUALIZATION USING EXCEL

Visualization. Data visualizing with tables & charts using Excel is very attractive and also very simple. Visual reports can provide better insights to business. Charts are used to make a graphical representation of any set of data & tables are used to summarize information from a raw data in more meaningful ways.

LANGUAGES

A chart is a visual representation of the data, in which the data is represented by symbols such as bars in a Bar Chart or lines in a Line Chart. A table is a summary representation of data, with the help of tools can be sliced and diced to get the summary details at different levels.

EVELOPMENT TOOLS

CUDNN

DATA PLATFORMS



All the charts in dashboard are dynamically filtered when you make selection using slicers



& VISUALIZATION

Data Analysis: Excel is used to do basic data analysis tasks to see whether it is a reasonable alternative to using a statistical package for the same tasks.

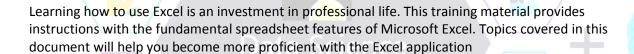


MS EXCEL



Microsoft Excel provides a set of data analysis tools called the Analysis Tool Pack which you can use to save steps when you develop complex statistical analyses. Using datasets and parameters for each analysis; Excel uses the appropriate statistical macro functions and then displays the results in an output table.





Beginners may get proficient and learn anything from how to start working in excel to how to input data, share files play with ribbon etc. Advanced Microsoft Excel training will help students to further develop their skills by learning to work with advanced formulas, lists, and illustrations. Students will also work with charts and advanced formatting including styles.

On completing this course students can:

- 1) Create attractive dashboard like any other bi tools like tableau/micro strategy.
- 2) Can do analytics using excel apart from reporting like correlation, Regression etc.

What you'll learn in this course?



This course is valuable for anyone who would like to learn Excel for analysis and powerful reporting. On completing this course students will have a good understanding of basic and advanced concepts in Excel, that includes creating workbooks, formatting worksheets using different options, rows and column controls, auto-fill and auto sum, constructing formulae, mathematical functions, editing features, printing setup and artistic effects. Students will also learn advanced features such as creating pivot tables along with slicers, use of different kind of charts, working with advanced if conditions, creating dashboards and finally understanding the use of statistical tools in excel.

MS EXCEL COURSE CONTENTS



LEVEL 1 - BEGINNERS COURSE

Excel Introduction

Different versions of Excel

Introduction to Spreadsheets & Basic Spreadsheet Skills CUDNN

Starting to work with Excel

Types of data

Placing Cell Alignment & its functionalities

Excel Help System

Opening & Closing Workbooks

Page Layout & its Functionalities

Understanding Workbook File Formats

Selecting Cells

How to Insert Row & Column

How to play with Sheet

Importance of Cell Referencing

Formatting Number & Cell

Truncate Function

Editing, Copying & Moving cells

Features of each menu in Ribbons & Toolbars

Proofing

Find & Replace

Trim, Round, Transpose - Functionalities

Uses of Lower, Upper, Proper functions

Add Comments

Concatenation

Freeze Headers

Filtering & Sorting

Type of Operations

Sum, Average & Range

Count & Count A functionality & difference

Auto Sum & Auto Fill Function

LEVEL 2 - MASTERS COURSE

Remove Duplicates & Listing Options

Vlookup's

Hookups

Formula Auditing and Error Tracing

Subtotals and Grouping

Pivot Tables

- * Filtering and Sorting a PivotTable
- * Changing a PivotTables Calculation
- * Updating a PivotTable

Pivot Slicers

Chart Techniques

- * Understanding chart layout elements
- * Adding a chart title & axes titles
- * Positioning the legend
- * Showing data labels & data table
- * Modifying the axes & Formatting the plot area
- * Drawing shapes in a chart

Hyperlinks in Excel

IF Conditions

- * Sum IF & Sum IFS
- *Average IF & Average IFS
- *Count IF & Count IFS
- *Creating the AND function within an IF
- *Creating the OR function within an IF statement
- *The NOT function

Match Index

IS Error

IS Number

Basic Statistics function using Excel

Short Cut Keys



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DATA VISUALIZATION, DASHBOARDS and PUBLISHING WITH TABLEAU

Data visualization is the presentation of data in a graphical format. It enables decision makers to see analytics presented visually, so they can grasp difficult concepts or identify new patterns.

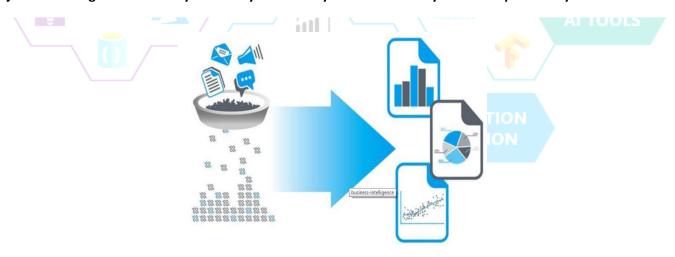
Using visualization one can go a step further by using technology, to drill down into charts and graphs for more detail and interactively change what data you see and how it's processed.



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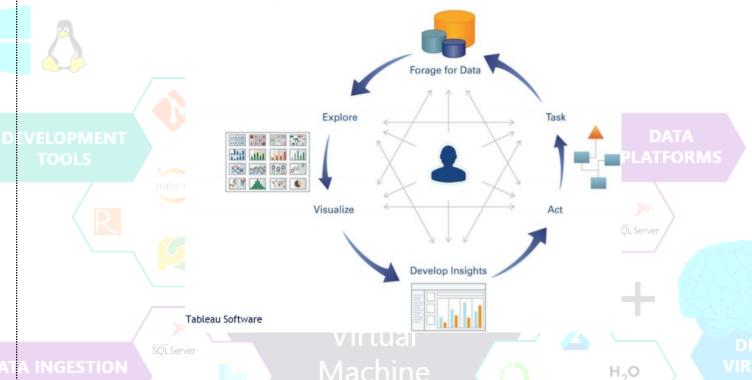
Machine

Tableau is a Business Intelligence Tool used for data visualization. With Tableau you can gain insights by just visualizing the stats that you already have with you and use it for your development of your business



BI (Business Intelligence) dashboards are analytics tool used to visualize large data sets. A business intelligence dashboard is a data visualization tool. It provides essential information for a specific objective.

These dashboards provide critical reporting and metrics information and are integral in Business Performance Management. A business dashboard is also known as an enterprise dashboard.



Since dashboard displays the performance of a business organization by summarizing and arranging numbers on a single screen more and more companies rely on dashboards to make sense of their data.

Dashboards are built with the hope that it will turn huge amount of data into actionable insights.

WEKA



Publish: Once the dashboard is created we want to share it, so the best way is to publish or share. Tableau content can be published to Tableau Server which has different capabilities, security models and requirements.



TABLEAU

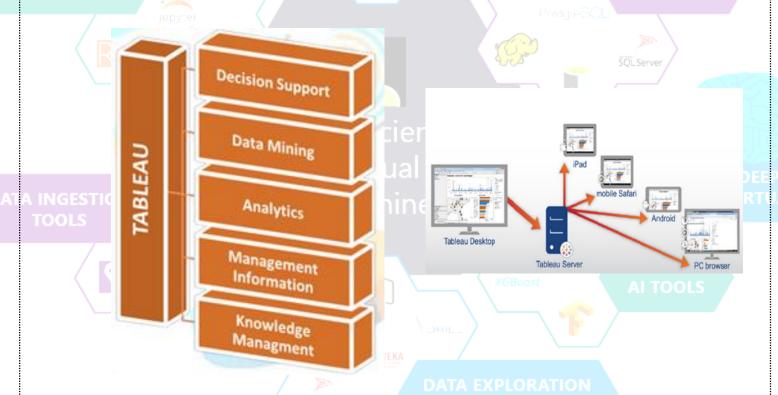
About Tableau

Tableau is an industry leading BI tool which will help to created data visualization, dash boarding and data discovery. Tableau is used for data science & business intelligence. Tableau is one of the simplest tools to learn which can drill down data and see the impact in a visual manner.

julia

Why this course?

Tableau is an important tool which helps in visualization of data in different ways. This tool is very user friendly and provides results very quickly than any other BI tool. As data visualization is an art of presenting the data in a manner where any one can understand it better, visualization created by Tableau plays a major role in providing insights which in helps improving business effectiveness. Progressively the demand for this kind of BI tool will get increase significantly.



What you'll learn in this course?



All those who are new to Tableau will be able to understand the importance of Tableau in today's business world, which includes tableau architecture, basics on worksheets and dashboards, filters and publishing dashboards. The course will cover advanced techniques such as building interactive dashboards, data visualization with advanced features like customizing filters, calculated columns and table calculations, different kinds of charts along with Tableau server components.

TABLEAU – COURSE CONTENTS



LEVEL 1 - BEGINNERS COURSE
Business Analytics Architects
* Dashboards
* Reporting
* Visualizations
* Data Preparation
* Modern Data Warehousing
* Self-Service Business Analytics
* Big Data & Advanced Analytics
* Planning & Forecasting Systems
How Business Reporting Work?
Statistics Concepts
About Tableau
Why Tableau?
Tableau reporting architecture
Tableau Products
Measures & Dimensions
Continuous & Discrete data
Values axis & Category axis
Data Visualization
*Types of Data
*Flat File
*Database
*Web services, Cloud
*Salesforce >>>
*Google Analytics SQL Server
*Google Big Query+A53
*Clipboard
*Tableau Server Data Sources
*Basics on Worksheets and Dashboards
*Basics on Filters
*Saving & Publishing of dashboard

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LEVEL 2 - MASTERS COURSE
Options In Tableau
*Worksheets and Dashboards
*Customizing Filters
*Filter Actions & Functionalities DATA
*Row Shelf & Column Shelf
*Marks cards
*Color, Size, Label, Detail
*Tooltip <mark>, Path,</mark> Sets
*Creating Parameters & Using Parameters
*Groups
*Calculated Columns
Charts & Visualization
* Pie Charts, bar charts, stacked bar charts, dual lines
*Highlight tables
* Heat maps, Symbol maps, Tree maps, Filled Maps
*Circle views & Histogram
*Area Charts - (Continues & Discrete)
*Combination charts, Scatter Plots & Box Plots
*Gantt charts, Bullet Charts, Packed bubble charts
Dashboards
*Building Dashb <mark>oard</mark> s
*Trend Lines & Forecasting
*Reference Bands & Lines
*Show Missing Values & Handling Null Values
*Legend Highlighting & Layout Containers
*Visually Grouping Data
*Table Calculations
*Computing Totals
*Formatting & Annotating
*Tiling & floating dashboards

*Tableau Server & Sharing Server views



DATA ANALYTICS WITH "R"

Analytics is most popular in today's competitive world which helps business to take major decisions. When speaking about analytics we come across: business intelligence, predictive analytics, big data and data science. Most of these practices can be utilized to solve major business issues. Data Analytics refers to qualitative and quantitative techniques and processes like collecting, processing, analyzing and interpreting data to gain insights. And finally, insights can have direct, measurable impact on business.

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LANGUAGES

VELOP TOOI



Analytics will help to measure and track results across time and understand the business. Analytics is a science of extracting trends, patterns and useful information from a set of data. Analytics is used making better use of resources which improves profitability.

Predictive Analytics

Regression

Predictive Analytics

XGBoost Al TOOL

Analytics helps in understanding

- What had happened?
- How or why did it happen?
- What's happening now?
- What is likely to happen next?

MACHINE LEARNING & ARTIFICIAL INTELIGENCE WITH R and PYTHON

Machine learning is a subfield of artificial intelligence and computer science that allows software applications to be more accurate in predicting results. The prime objective of machine learning technology is to build algorithms that can get input data and leverage statistical analysis to predict an acceptable output value.

Machine learning is a method of data analysis that automates analytical model building. It is a branch of artificial intelligence based on the idea that systems can learn from data, identify patterns and make decisions with minimal human intervention"

Advantages of ML

- ML is useful when large scale of data is available
- Machine learning is used to handle multi-dimensional and multiple types of data in dynamic environments.
- Social media is using machine learning to push relevant advertisements. These advertisements are based on users past search behavior.



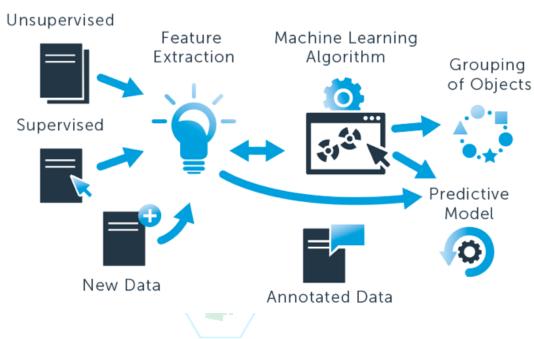




Machine Learning

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Training Set



This course will provide an overview of many additional concepts, techniques and algorithms in machine learning, from basic classification to decision trees and clustering. By completing this course, you will learn how to apply, test and interpret machine learning algorithms.



R-LANGUAGE

About R - Language

R is an open source programming language which is mainly used for statistical computing. It is totally free, so unlike other paid software, R can be customized according to our requirements. R is a very unique language and has some really interesting features which aren't present in other languages so R has become very popular in recent years. The biggest benefits to open source software like R, are upgrades which happens regularly.

Why this course?

LANGUAGES

In today's world an average of 2 Million users worldwide are using R to solve statistics and data science problems. Every year R user base is increasing rapidly as it is one of the most highly regarded, highly ranked, and fastest growing language. As a result R is used in almost 90% of originations.

Applications of R

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DATA PLATFORMS

R is used as fundamental tool for finance

Considers as an alternate execution of science

R is the most prevalent Language

R is the best for data and graphical representation

R helps in data importing and cleaning

This R training course provides you detailed learning curve which in turn helps in data science, data analytics, data acquisition, statistical methods & machine learning.

IS OPEN SOURCE

STATISTICAL LANGUAGE

R LANGUAGE

R LANGUAGE

R LANGUAGE

OUTSTANDIN G GRAPHELAL OUTSTANDIN G GRAPHELAL OUTSTANDIN G GRAPHELAL OUTSTANDIN

What you'll learn in this course?



The course will help you understand basic coding in R with all the basic functionalities; like how to use R console, assign variables, analyze vectors, matrices, factors, frames, and lists, managing data and basic statistical functions. You will also learn advanced statistical techniques, both supervised and un-supervised learning using R and get ready for a career in business analytics.

R- COURSE CONTENTS



LEVEL 1 - BEGINNERS COURSE
Introduction & Preliminaries
*R Environment
*Using R Interactively
*R commands, case sensitive etc.,
Simple manipulations; numbers & vectors
*Vectors & Assignment
*Vector Arithmetic
*Generating regular sequences
*Logical vectors & Index vectors
*Missing values
*Characte <mark>r val</mark> ues
Arrays & Matrices
*Array indexing
*Index matrices
*Forming partitioned matrices
*Frequency tables from factors
*The concatenation function with arrays
Lists & data frames
*Constructing & modifying Lists
*Working with data frames
*Managing search path
Reading data from files & different sources
Checking normality/Normal distribution
Frequency distributions & Contingency Tables
Binomial distributions
Skewness &Kurtosis
IQR & Empirical rule for symmetric distributions x
Probability distributions
Proportion tables & Confidence Interval

ANGUAGE LEVEL 2 - MASTERS COURSE
Testing of Hypothesis
T-test
F-test F-test
Sampling distributions
Binning Social
Control Charts
Bar-plot ForigreSCL
Pie chart
Chi-Square SQL Server
Correlation
Cluster Analysis
Principal Component Analysis
Factor Analysis
Regression Analysis
* Simple Linear Regression
* Multiple Linear Regression
* Logistic Regression
* Regularization
* ANOVA ML &
Machine Learning Techniques A TOOLS
*Random Forests
*Decision Trees
*Artificial Neural Networks
*Support Vector Machines
*K-Nearest Neighbor
*Ensemble
*Gradient Boosting
*R-Shiny
Others (FAQ & TEST)



PYTHON

About Python

Python is a general-purpose programming language which can be used for a wide variety of applications. Python is a completely free open source platform which can be customized as per business requirements. Python is great tool for data analysis, artificial intelligence & scientific computing. Since Python has an enormous user community, no matter what problem you're trying to solve, chances are that there is already a solution.

Why this course?

Python is a great language for the beginner programmers. The best reason to learn Python course is its inherent simplicity, which makes it one of the easiest programming languages to learn. Python is flexible, powerful and easy to use with great features. One of the most important features of python is its rich set of utilities and libraries for data processing and analytics tasks. In the current era of big data, python is gaining more popularity due to its easy-to-use features which supports big data processing.





What you'll learn in this course?







The course will help you understand basic coding in R with the basic functionalities; such as Python layout, importance of spyder, Python operators, conditional statements, loop concepts, data structure and working on basic statistical functions. The course also covers advanced statistical techniques, both supervised and un-supervised learning using R and will equip you with advanced data science skills.













PYTHON – COURSE CONTENTS



	LEVEL 1 - BEGINNERS COURSE
Pytho	n Overview Julia
\	*History, Why Python?
Settin	g up Python
	*Environment Setup & Variables
	*Getting Python & Setting Path
Langu	age Features
S	*My first Python program
/	*Identifiers
_	*Reserved Words
\mathbb{R}	*Lines and Indentation
\	*Command Line Arguments
Opera	itions o <mark>n Nu</mark> mbers
	*Arithmetic Operations & Number Methods
Opera	tions on Strings
	*Accessing a value from Strings
	*Updating Strings & String Methods
Opera	tions on Date and Time
Pytho	n Operators
/	*Comparison & Assignment Operators
Lists,	Tuples and Dictionaries
¥	*Accessing , Updating & Deleting elements
Condi	tional Statements
	*IF, ELSE statements & Nested IF statements
Loops	Concepts
	*While, For, Break, Continue etc.
Functi	ions & Generators
Opera	tions on Data structures SQL Server
.,	*List processing & Conversions from 1 type to
other	wassesing using BogEv
	rocessing using RegEx les and Packages
iviouu	*Import Statement
	*Executing and Locating Modules
Evcen	tion Handling
Descri	ptive Statistics & Frequency

	LEVEL 2 - MASTERS COURSE
	Introduction to Python analytical libraries
	Inferential Statistics
	*Hypothesis Testing
	*Confidence Intervals
	*T-Test
	/ 1/
	*Contingency Tables *Cross Tabs
	*Chi-Square significance test
	*Correlation
	Charts & Graphs
	*Bar, Line, Pie etc.
	Working with Pandas
	*Importing and Exporting flat files
	*Operations on Pandas Data frames
	*Summary Statistics
	*Sub setting the Data frames
	*Handling missing values in the Data frames
	Working with Numpy Arrays
	Machine learning concepts
	*Machine Learning with Supervised
	*Machine Learning with Unsupervised
	*Introduction to Deep Learning
5	Clustering
	*Hierarchical Clustering
	* K-means
	Regression
	*Simple Linear & *Multiple Linear Regression
	* Logistic Regression
	Classification
	*Decision trees
	* Random forest
	* Gradient Boosting
	Time series forecasting
	Others (FAQ & TEST)

Experiential Learning Platform

Our courses are designed for an **experiential learning** experience so that students are better prepared **for job placements**.

Hands-on training for better learning and confidence building







Assignments

LANGUAGES

Assignment based learning to improve: problem solving skills, innovative thinking and collaborative working.

VELOPME Case Studies

To understand how Data Science is applied in industries such as Automotive, Retail, Pharma, Telecom and Banking



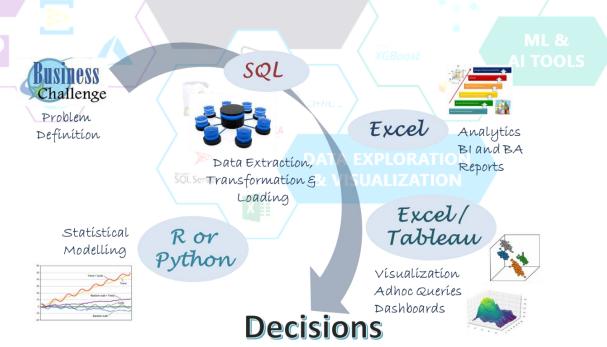




Experience Sharing

Practising Data Science professional share their thoughts and experience

Our courses will help students to acquire a good conceptual understanding of how analytics is applied in **real life scenarios** and will equip them with practical knowledge of applying analytics, using the tools covered in our curriculum, from business challenge definition to decision making.





Course Options

Our courses are modular so students can choose a single module or any combination of five modules based on their interests. Some of the popular Course options are:

Data Science Course

This course comprises of five modules SQL. Excel, Tableau, R and Python.

- 1. Data Handling Data acquisition, cleaning & aggregation with MS SQL
- 2. Data manipulation including transformation and processing of data with SQL
- 3. Basic reporting and exploratory analysis with Excel
- 4. Creating Dashboards and analytics with Excel
- 5. Architecting & business reporting with Tableau
- 6. Charts & visualization techniques with Tableau
 - 7. Basic statistical & mathematical foundation for Data Science with "R" & Python
 - 8. Advanced statistical methods for inference and prediction with R & Python
 - 9. Model creation & validation with R & Python
 - 10. Machine Learning techniques with R & Python

Duration - 120 hours for online study and practice sessions

Business Analytics Course Data Science

This course comprises of three modules SQL. Excel and Tableau.

- 1. Data Handling Data acquisition, cleaning & aggregation with MS SQL
- 2. Data manipulation including transformation and processing of data with SQL
- 3. Basic reporting and exploratory analysis with Excel
- 4. Creating Dashboards and analytics with Excel
- 5. Architecting & business reporting with Tableau
- 6. Charts & visualization techniques with Tableau

Duration - 70 hours for online study and practice sessions

Analytics and Machine Learning Course with Python or R

This course includes any one module that is **Python** or **R**

- 1. Basic statistical & mathematical foundation for Data Science with Python or R
- 2. Model creation & validation Python or R
- 3. Advanced statistical methods for inference and prediction with Python or R
- 4. Machine Learning techniques with Python or R

Duration - 30 hours for online study and practice sessions

DATA PLATFORM

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ML 8a

Course Deliverables

Our courses have been developed by Industry experts and are hosted on a robust Learning Management System (LMS) on the internet. The content is available in the form of slides, notes, reading material and links, FAQs, test papers and case studies. The LMS offers detailed information and statistics for faculty and students to monitor the progress made.

Certification

On completion of the online training program and workshop sessions for Level 1 and Level II, students will have to take a written test. On successfully clearing these tests students will be awarded a certificate, issued jointly by the Institute and Kaalp Consulting.







DATA PLATFORMS















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Data Warehouse Extract-Transform-Load



Placement Services

We will be providing placement assistance to students who complete our course. We have arrangements with companies that do campus recruitment and job portals that specialize in placing fresh graduates.

Course Fees

Our course fees are very reasonable. Please contact us on info@kaalp.com to know more.

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