

Data Science and Business Analytics Courses



Senior Professionals with more than 30+ years of experience with proven capabilities as CEOs and CXOs with leading global corporations

Kaalp Consulting has been founded by professionals with extensive experience in consulting, general management, HR and IT Services, in international and multicultural business environments across several industry sectors. Our team with a combined experience spanning several decades in highly respected companies, brings together thought leadership and hands-on industry experience in executive coaching, business transformation and leadership development..



As successful Corporate Leaders we have

- Transformed businesses for sustainable & profitable growth
- Built, nurtured and mentored high performance teams
- Initiated and managed several change management programs

We firmly believe that people are key to any organisation's success. In the digital era, leadership teams are confronted with far more demanding business challenges than ever before. For companies to succeed and grow, it is essential to have good leaders. We coach leaders and inspire them to tap their inner potential better, harness their creativity, be insightful and deepen their commitment to change. As a result, these leaders become more effective as individuals and can lead their teams to perform better.



Business and Leadership Coaches for

Transformational Performance Improvements

Sustainable Value Creation

Ongoing training and skill development is essential for organizations to succeed. Our training programs are aimed at helping managers to acquire new skill sets that are needed for organisations to grow profitably and maintain their competitive edge.

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 of gaining best insights from raw data.

Both Data Science and Business Analytics involve data gathering and modelling, 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 trends, to derive more meaningful information for improved decision making.

Advanced data science processes involve 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 to analyze information for deeper 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 from multiple devices. For some of our courses, we offer **blended learning** to enhance the learning experience.

Learn Anywhere

online

Learn Anytime

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 audio visual slides, online reading content, 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

Placement assistance on completion of course.

Course Objectives

After completing this course students can:

- Obtain, clean, transform, and process raw data into usable formats
- Work with advanced statistical methods for inference and prediction
- Complete data analytics, from exploration, analysis, synthesis to communication
- Get familiarized on tools like R & Python with advanced techniques like Artificial Intelligence and Machine Learning

IMPORTANCE OF DATA HANDLING USING SQL

Data describes the facts and figures that an organization processes every day. Data becomes information after it has been processed with context, to provide additional meaning and purpose.

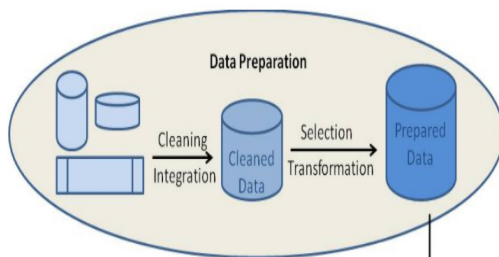
Data processing is Important since more reliable and better decisions can be taken to improve productivity and profitability. The ability to analyze and act on data is becoming increasingly important for businesses to react quickly to changing demands from customers and business.

Data management can be divided into two parts

- Data Storing
- Data Preparation & Cleaning

Data Storage:

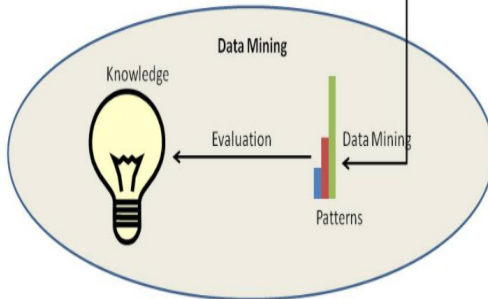
In today's business world data storage and access is very critical and essential, so that important information on business performance can be monitored. Current business practices place a lot of prominence on IT infrastructure that stores data and allows easy access.



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.

"In simple words, data preparation is the process of collecting, cleaning and consolidating data into data tables for use in analysis."



DEVELOPMENT TOOLS

About MS SQL

SQL stands for **Structured Query Language**. SQL is the standard language for data handling 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.

DATA INGESTION TOOLS

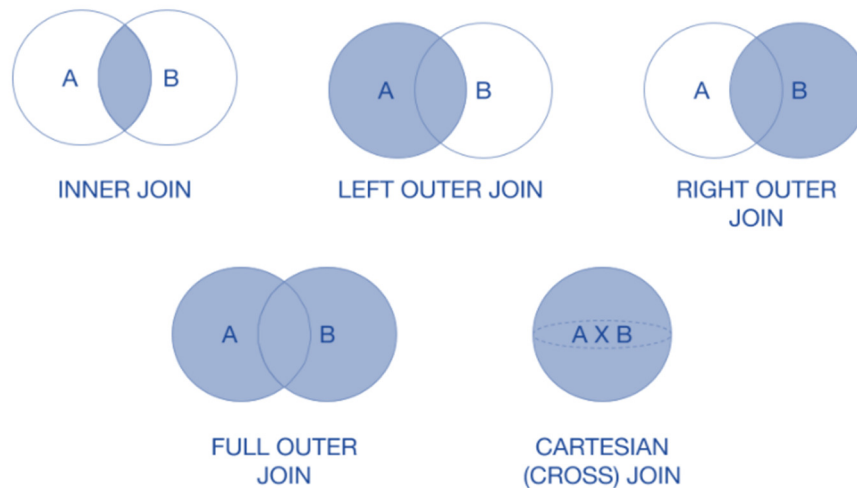
DATA PLATFORMS

ML & AI TOOLS



Since data is very important in today's business world, it is essential to store it and maintain it well. 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 tables using advanced SQL techniques and applying complex statistical techniques on this data can give some good insights like:

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



This SQL course will help you know:

- 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 other?

Benefits of 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
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

LEVEL 2 - MASTERS COURSE
SQL Joins
*SQL Inner Join
*SQL Outer Join
*SQL Left Join
*SQL Right Join
Advance SQL Joins
*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, enables 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 and is a key aspect in today's analytical world. With good reporting, end users can use data more meaningfully to drive proactive decision-making for competitive advantage.



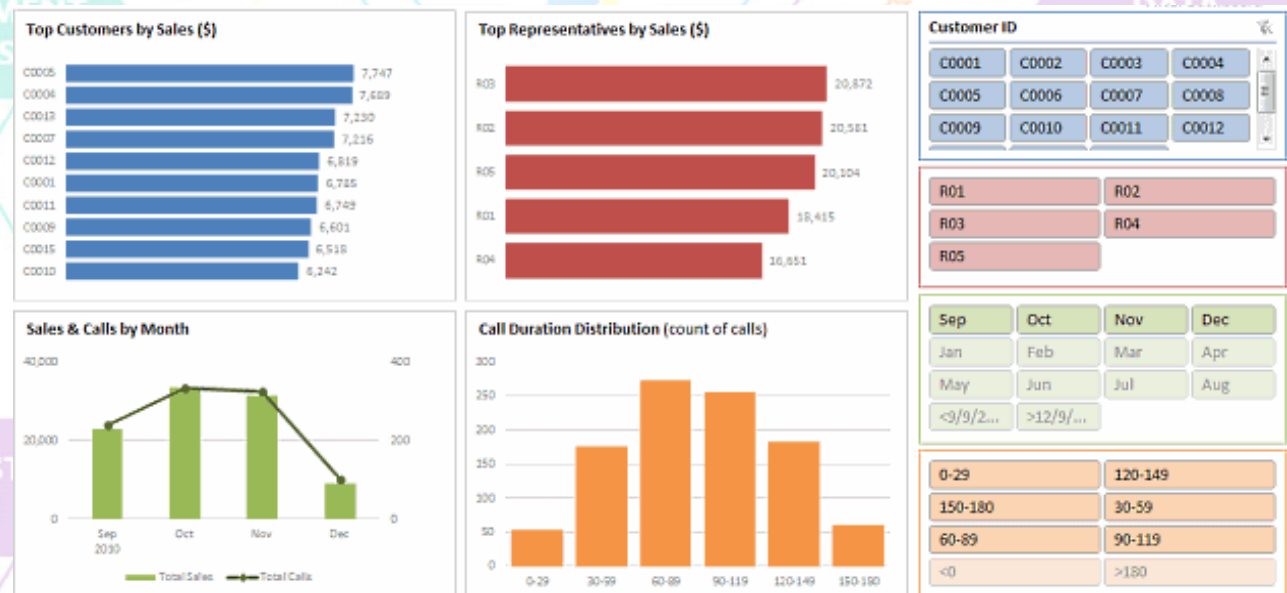
Reporting is becoming critical for all organizations, and enhances the ability to make more informed evidence-based decisions.

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 and charts using Excel is very simple and also a very attractive way to present information. Visual reports can provide better insights for decision making. Charts are used to make a graphical representation of any set of data. Tables are used to summarize information from raw data in more meaningful ways.

A chart is a visual presentation of information, in which 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, data from tables can be sliced and diced to get the summary details at different levels.



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

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.

Benefits of this course?

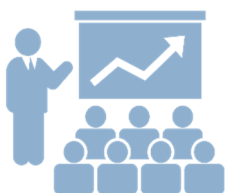
Learning how to use Excel is an investment in professional life. This training material provides instructions with the fundamental spreadsheet features of Microsoft Excel. Topics covered in this document will help you become more proficient with the Excel application.

Beginners will learn how to start working in Excel, 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 techniques including styles.

On completing this course students can:

- 1) Create attractive dashboards like any other business intelligence tool like tableau or micro strategy.
- 2) Do statistical analysis using Excel apart from 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 kinds 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
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 axis & 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

DATA VISUALIZATION, DASHBOARDS & 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.

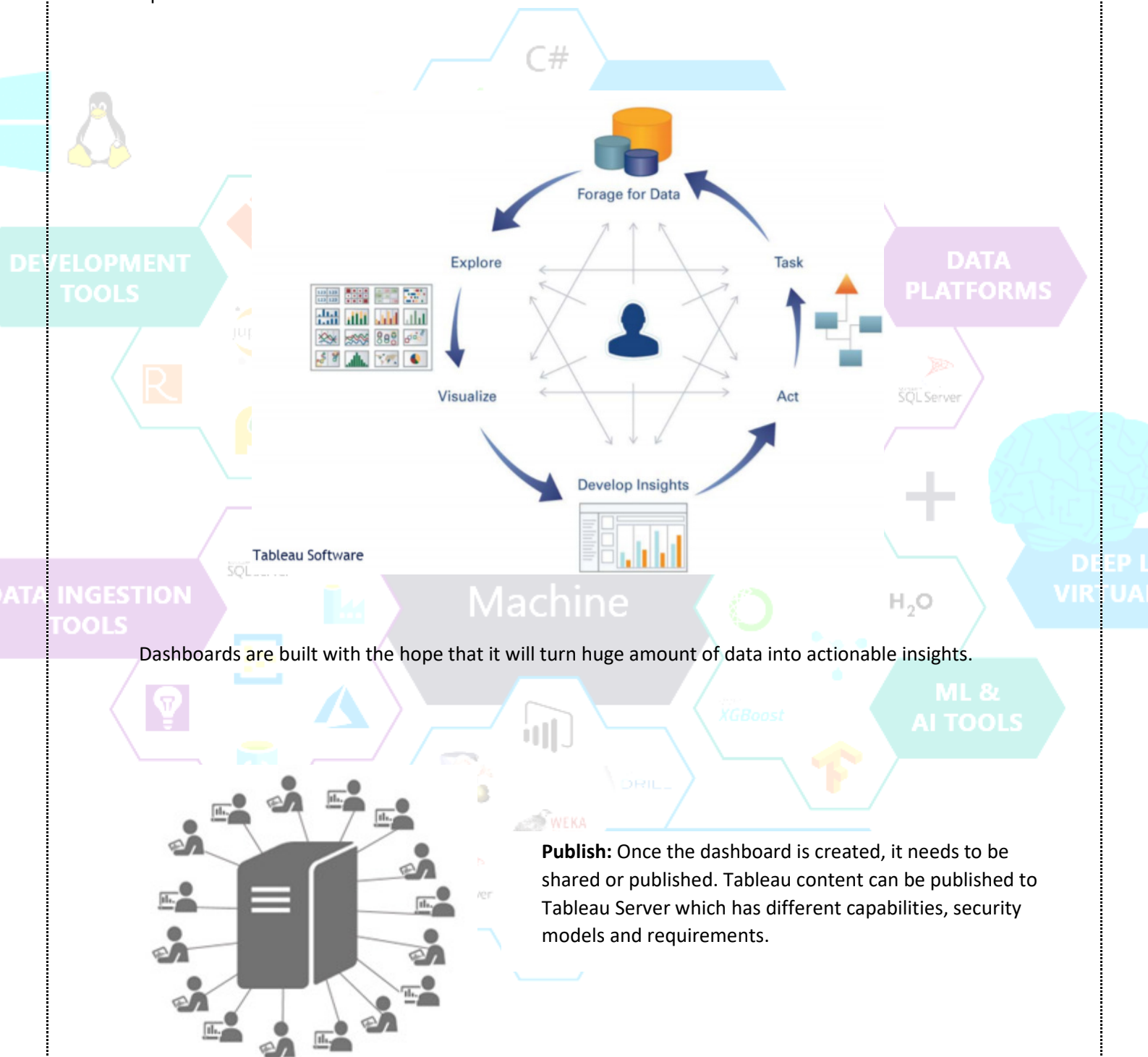
Using visualization one can go a step further by using technology to drill down into charts and graphs for more details and interactively change what data you see and how it's processed.



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 development of your business

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

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. These dashboards provide critical reporting and metrics information and are integral to managing business performance such as Key Performance Indicators (KPI) and other important operational metrics.



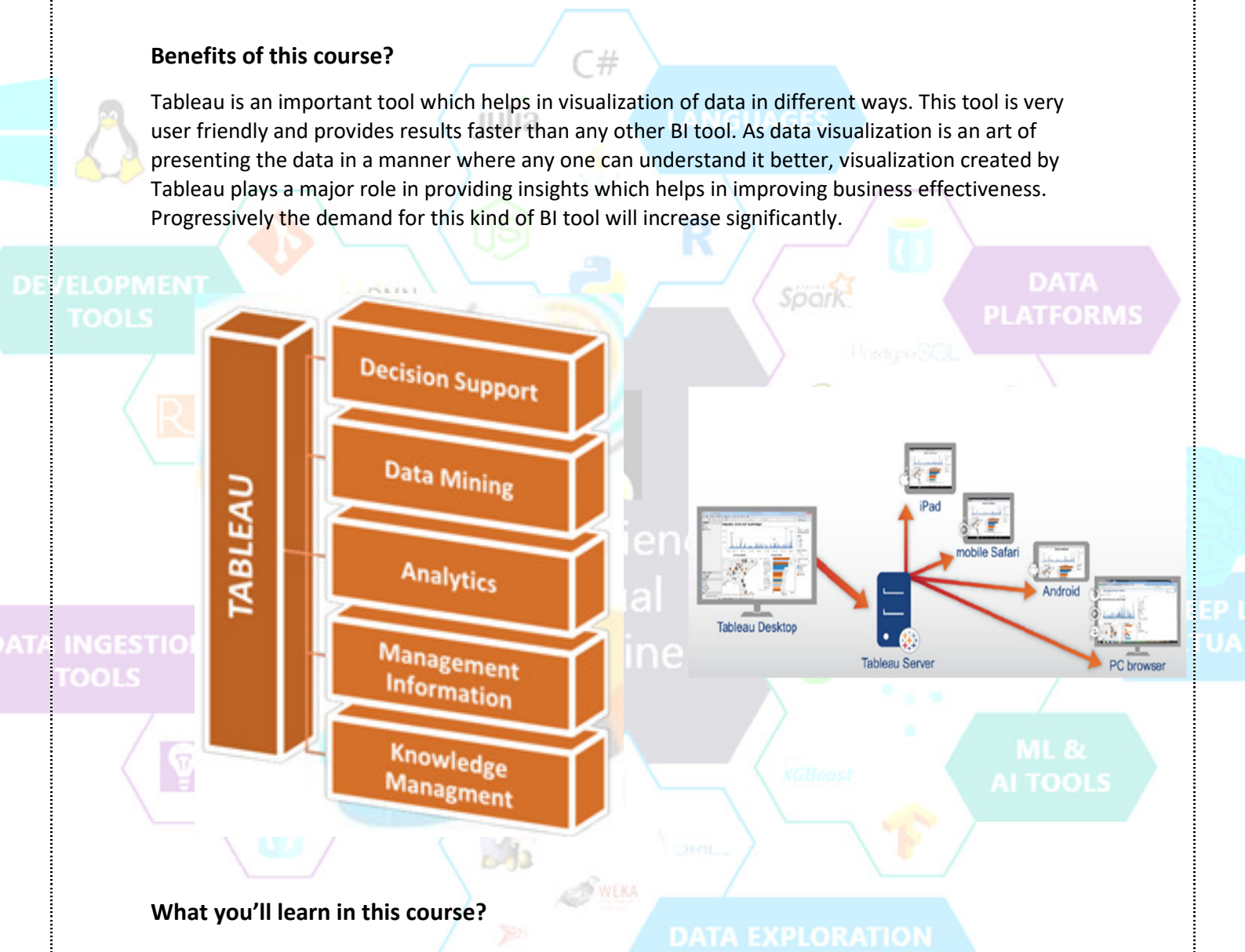
TABLEAU

About Tableau

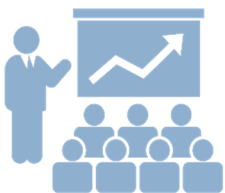
Tableau is an industry leading Business Intelligence tool which is used to create data visualization, dash boarding and data discovery. Tableau is used for data science & business intelligence. Tableau is one of the simplest tools to learn which can be used to drill down data and see the impact in a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

Benefits of 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 faster 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 helps in improving business effectiveness. Progressively the demand for this kind of BI tool will 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	LEVEL 2 - MASTERS COURSE
Business Analytics Architects	Options In Tableau
* Dashboards	*Worksheets and Dashboards
* Reporting	*Customizing Filters
* Visualizations	*Filter Actions & Functionalities
* Data Preparation	*Row Shelf & Column Shelf
* Modern Data Warehousing	*Marks cards
* Self-Service Business Analytics	*Color, Size, Label, Detail
* Big Data & Advanced Analytics	*Tooltip, Path, Sets
* Planning & Forecasting Systems	*Creating Parameters & Using Parameters
How Business Reporting Works?	*Groups
Statistical Concepts	*Calculated Columns
About Tableau	Charts & Visualization
Why Tableau?	* Pie charts, bar charts, stacked bar charts, dual lines
Tableau reporting architecture	*Highlight tables
Tableau Products	* Heat maps, Symbol maps, Tree maps, Filled Maps
Measures & Dimensions	*Circle views & Histogram
Continuous & Discrete data	*Area Charts - (Continuous & Discrete)
Values axis & Category axis	*Combination charts, Scatter Plots & Box Plots
Data Visualization	*Gantt charts, Bullet Charts, Packed bubble charts
*Types of Data	Dashboards
*Flat File	*Building Dashboards
*Database	*Trend Lines & Forecasting
*Web services, Cloud	*Reference Bands & Lines
*Salesforce	*Show Missing Values & Handling Null Values
*Google Analytics	*Legend Highlighting & Layout Containers
*Google Big Query+A53	*Visually Grouping Data
*Clipboard	*Table Calculations
*Tableau Server Data Sources	*Computing Totals
*Basics on Worksheets and Dashboards	*Formatting & Annotating
*Basics on Filters	*Tiling & floating dashboards
*Saving & Publishing of dashboard	*Tableau Server & Sharing Server views

DATA ANALYTICS WITH “R”

Analytics is most popular in today’s competitive world which helps businesses 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 data analytics issues. Data Analytics involves collecting, processing, analyzing and interpreting data and using qualitative and quantitative techniques to gain deeper insights, which can have direct measurable impact on business performance.



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



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 INTELLIGENCE WITH R & PYTHON

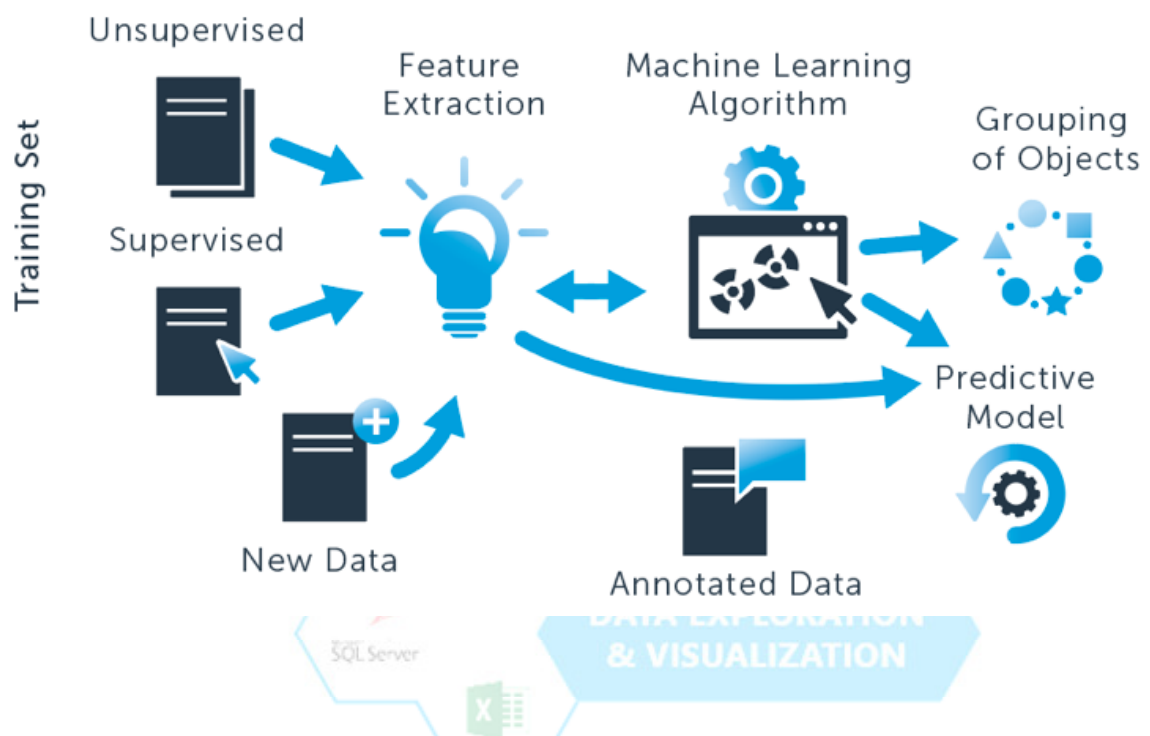
Machine learning is a subfield of computer science and artificial intelligence that allows software applications to be more accurate in predicting results. The prime objective of machine learning technology is to build algorithms that can get input data and leverage statistical analysis to predict an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



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

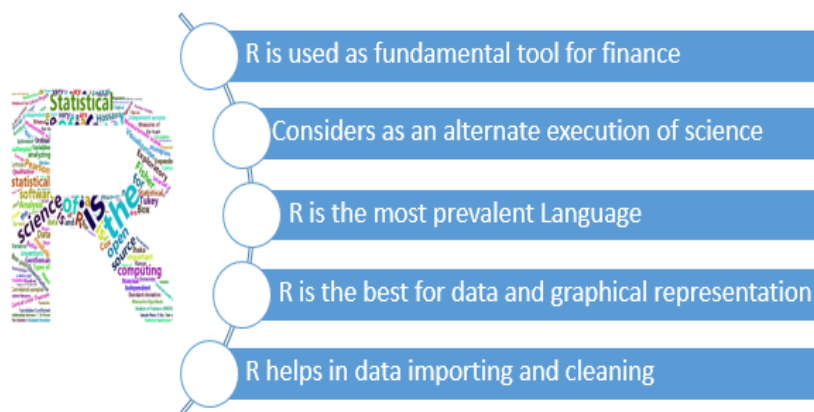
About R - Language

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.

Benefits of this course?

Currently 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 organizations.

Applications of R



This R training course provides you in depth learning which will help you in data analytics, data acquisition, statistical modelling and machine learning.

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
*Character values
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
Probability distributions
Proportion tables & Confidence Interval

LEVEL 2 - MASTERS COURSE
Testing of Hypothesis
T-test
F-test
Sampling distributions
Binning
Control Charts
Bar-plot
Pie chart
Chi-Square
Correlation
Cluster Analysis
Principal Component Analysis
Factor Analysis
Regression Analysis
* Simple Linear Regression
* Multiple Linear Regression
* Logistic Regression
* Regularization
* ANOVA
Machine Learning Techniques
*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 a great tool for data analysis, artificial intelligence and 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 available.



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

PYTHON – COURSE CONTENTS



LEVEL 1 - BEGINNERS COURSE
Python Overview
*History, Why Python?
Setting up Python
*Environment Setup & Variables
*Getting Python & Setting Path
Language Features
*My first Python program
*Identifiers
*Reserved Words
*Lines and Indentation
*Command Line Arguments
Operations on Numbers
*Arithmetic Operations & Number Methods
Operations on Strings
*Accessing a value from Strings
*Updating Strings & String Methods
Operations on Date and Time
Python Operators
*Comparison & Assignment Operators
Lists, Tuples and Dictionaries
*Accessing , Updating & Deleting elements
Conditional Statements
*IF, ELSE statements & Nested IF statements
Loops Concepts
*While, For, Break, Continue etc.
Functions & Generators
Operations on Data structures
*List processing & Conversions from 1 type to other
Text processing using RegEx
Modules and Packages
*Import Statement
*Executing and Locating Modules
Exception Handling
Descriptive Statistics & Frequency

LEVEL 2 - MASTERS COURSE
Introduction to Python analytical libraries
Inferential Statistics
*Hypothesis Testing
*Confidence Intervals
*T-Test
*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
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

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



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

Case Studies

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

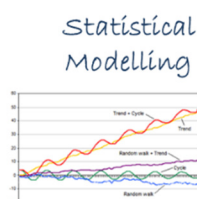


Experience Sharing



Practising Data Science professionals 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**. These skills will equip them with practical knowledge of applying analytics, using the tools covered in our curriculum, from business challenge definition to decision making.



SQL



Data Extraction,
Transformation &
Loading

R or
Python

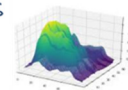
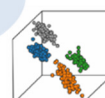
Excel



Analytics
BI and BA
Reports

Excel/
Tableau

Visualization
Adhoc Queries
Dashboards



Decisions

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

Benefits

- Students, fresh graduates and working professionals who wish to pursue a career in Analytics
- Course offers comprehensive learning on key aspects of Data Science

Duration 120 hours

Business Analytics Course

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

Benefits

- Students, fresh graduates and working professionals who wish to know how to use business analytics for better decision making
- Course offers good understanding of application of analytics in problem solving.

Duration 70 hours

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 with Python or R
3. Advanced statistical methods for inference and prediction with Python or R
4. Machine Learning techniques with Python or R

Benefits

- Students, fresh graduates and working professionals who wish to acquire skills for solving complex analytics problems
- Participants will acquire advanced skills in analytics using R and Python.

Duration 30 hours

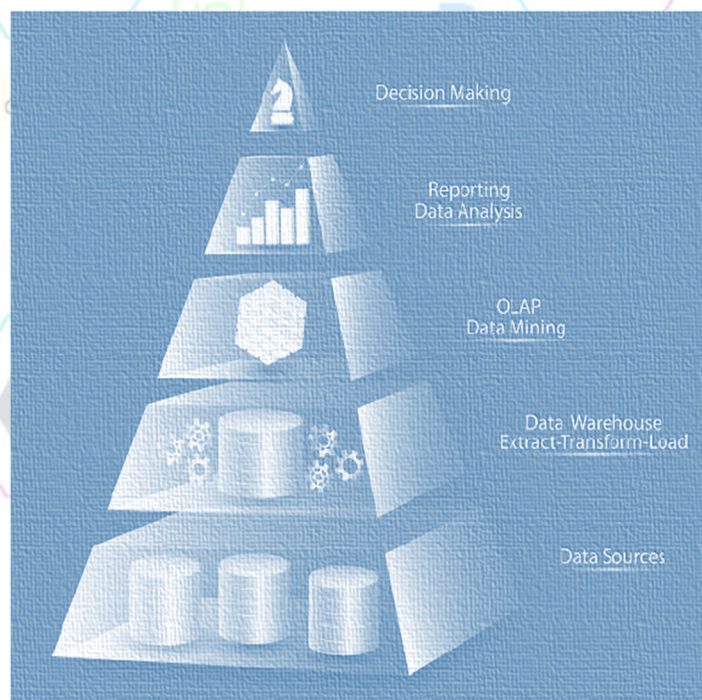
Course Deliverables

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 2, 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.



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 and depend on batch size. Please contact us on info@kaalp.com to know more.

Some Of Our Clients





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