



Adv. Training in Data Analytics

About QuickXpert Infotech

QuickXpert Infotech provides professional training on some of the most updated, industry-designed certification & job oriented training programs to both students & corporate from experts in both classroom & online training format. Our wide range of courses blended by our placement assistance process have helped our students from both IT & non IT fields to make career in IT Industry.

Overall 30+ Courses - 700+ Companies - 1000s Trained !

Courses Offered - SAP modules, JAVA, Dot Net, Software Testing, Web Development, Oracle, Digital Marketing, Python, Data Science & A.I., Salesforce, Tableau, Power BI, Android, Hybrid Apps, R, Hadoop etc. please visit website for details.

Our Live Projects - BiodataKing, TeriMeriChoice, theVibrantBirdie etc

About The Course

In Large companies there is huge amount of data which is used to analyzed to measure current performance and execute future expansion strategies of the companies. Hence the data needs to be presented in meaning format like charts, summary reports, dashboards etc to both management and employees so that they can derive meaning insights from it. This process of preparing Summary Reports and Dashboards is called as Data Analytic. Hence there is huge and never ending demand in industry for Data Analytic Professionals who work as **Data Analyst / Business Analyst**.

Who Can Learn?

Anyone form IT and non-IT. No prerequisites as we teach from scratch.

Key Points / Duration / etc

- **Data Analyst Master** - Python, SQL, Tableau and Excel Analytics – 3.5 months
- **Addon courses** (to those interested) - as mentioned below to become an Advanced Data Analyst Expert and can Demand Better Pay !
- **Either case Placement Process starts after completion of 3.5 months training.**

100% JOB Opportunities!

Add on Courses (to those interested):

- **R Analytics** (optional, 3 weeks to 1 month) – Because of simplicity and less coding, R is widely used tool in Data Analysis and Machine Learning. Though not a mandate however, if you include then you will be eligible even to R Analytics related Jobs and demand better pay in Industry.
- **Power BI** (optional, 1.5 to 2 months) – Competitor to Tableau by Microsoft hence widely used in industry. Projects are generally either on Tableau or on Power BI. If you include you will be eligible for Power BI Jobs as well and can demand better pay in Industry. If you skip your fees and duration will reduce.
- **Invest in Learning (1 time) > Returns – Demand More Pay!**

Tools You Will Learn



Syllabus as mentioned below:

SQL

❖ Installation & Configuration

❖ Using Professional Tool - Oracle SQL

❖ Design Database

- Create Tables
- Implementing Foreign Keys
- Using Auto Increment

❖ Constraints

- Foreign Keys & index
- Primary key & index
- Unique key & index
- Not null constraint

❖ Indexes

❖ CRUD Operations

- Create
- Read
- Update
- Delete

❖ Select Queries

- Basic Queries
- Using AND conditions
- Using OR conditions
- Using in, between, distinct and like keywords
- Sorting in ascending and descending order

❖ Functions

- Basic functions like lower case, upper case etc.
- Complex functions like position, left and ifnull

❖ **Groups**

- Basic Queries
- Using Having Clause
- Multi column groups

❖ **Joins**

- Creating Foreign Keys and use them in Joins
- Inner Join or Natural Join
- Left Outer Join
- Right Outer Join
- Full Outer Joins
- Complex Join Queries etc

❖ **Views & Inline Views**

❖ **Subquery**

❖ **Create Complex Queries**

- Using Joins, Groups, Views & Subquery all together
- Creating tables using queries
- Inserting, Update & Delete using Select Queries

❖ **Project**

Python

❖ Python Programming

- Installing Anaconda & Python v3 | Git Bash
- Basics - variables, constants etc.
- Python Programming - If..else, while loop, for loops etc.
- Logic Building Sessions
- Functions
- Classes
- OOPs
- Collections
 - List
 - Dictionary
 - Tuple
 - Array
 - Set
- Exception Handling
- SQL Database Integration
- File IO

❖ Data Analytics in Python

- Installing & Understanding Analytics Packages
- **NumPy** Array Operations
- **Pandas** Data Frame Operations
- Data Acquisition (Import & Export)
- Indexing
- Selection
- Sorting
- Filtering
- Group By
- Binning
- Concatenation
- Merge
- Append
- Drop

❖ Data Visualization in Python

- Installing Libraries
 - Matplotlib
 - Seaborn
- Charts & Plots
 - Histogram
 - Scatter Plots
 - Box Plots
 - Line Chart
 - Bar Chart
 - Pie Chart etc.
- Dashboards
- Project

Tableau

❖ Introduction to Tableau

- Architecture
- Data Model
- Data Connection with single data sources
- Data Joins
- Working with multiple data sources
- Data Blending
- Difference between joining and blending data

❖ Tableau Interface

- Measures and dimension
- Shelves
- Show me
- Data Types
- Default Properties
- Marks Card
- Page Shelf
- Saving and sharing your work-overview
- Difference between .twb and .twbx
- Discrete vs Continuous

❖ Date Aggregations and Date parts

- Cross tab
- Totals & Subtotals

❖ Chart Types

- Bar Charts & Stacked Bars
- Pie Chart
- Line Graph with Date
- Line Graph without Date
- Area charts
- Tree Map
- Word Cloud

- Packed Bubble
- Box & Whiskers Plot
- Scatter Plots
- Highlight tables
- Heat maps

❖ Data Visualization

- Geographical fields
- Map options

❖ Run Time Columns

- Calculated Fields
- String Calculation
- Data Calculation
- Logical Calculation
- Numeric Calculation
- Parameters
- Table Calculations
- Level of detail

❖ Data Formatting

- Legends
- Highlights
- Labelling
- Number Formats
- Alignment

❖ Advanced Functionalities

- Sorting
- Groups
- Sets
- Hierarchy
- Reference and Trend Lines
- Edit Axis
- Bins

❖ Filters

- Dimension Filter
- Measure Filter
- Filter - Display Option
- Context Filters
- Relevant Filters
- Sets in filters
- Conditional Filters

❖ Advanced Charts

- Pareto
- Waterfall
- Funnel
- Waffle Chart

❖ Dashboards

- Dashboard Objects
- Dashboard Actions
- URL
- Highlight
- Filter
- Advanced Interactivity
- Publish to Web

❖ Story Telling

- Most advanced feature of Tableau that makes it unique !

❖ Case Studies / Project

- Data Visualization (creating Charts, Dashboards etc.)
 - from SQL
 - from Python
 - from CSV files

Excel Analytics

❖ Working with Spreadsheets

❖ Excel Common Functions

- Len
- Conditions functions
- V Lookup
- Rank
- Grouping Functions : Sum, Avg, Min, Max, Count & CountA

❖ Pivot Tables

❖ Charts

- Bar Chart | Pie Chart | Line Chart | Bubble Chart etc.
- Stacked Bar Chart
 - Horizontal
 - Vertical

❖ Excel Macros (as required)

❖ Excel Dashboards

❖ Live Project / Case Study

R Analytics

❖ Installation & Configuration

❖ Programming Basics

- Variables
- Scalars
- Vectors
- Matrix
- List
- Data Frames
- Using c, Cbind, Rbind, attach and detach functions in R
- Factors
- Using R Operators

❖ Decision Making

- If ...Elseif...Else conditions
- While Loop
- For Loop
- Apply()
- sApply()
- rApply()
- tApply etc

❖ Importing / Exporting Data

- Reading Tabular Data files
- Reading CSV files
- Importing data from excel
- R Assignment Operators
- Saving in R data
- Loading R data objects
- Writing to files

❖ **Manipulating Data**

- Selecting rows/observations
- Selecting columns/fields
- Merging data
- Relabelling the column names
- Converting variable types
- Data sorting
- Data aggregation
- dplyr

❖ **R functions**

- Arithmetic
- Mathematical
- Summary
- String

❖ **Data Visualization & GG Plots**

- Box Plot
- Histograms
- Scatter Plotter
- Line chart
- Bar Chart
- Heat maps

❖ **Statistical Functions**

- Mean, Median and Mode
- Correlation
- Variance and Standard deviation
- Normal Distribution

❖ **Predictive Modelling / Analytics**

- Linear Regression
- Logistics Regression

❖ **Projects / Case Study**

Power BI

❖ Introduction to Power BI

- What is Power BI and Why Power BI
- Installing Power BI Desktop
- Exploring the Power BI Workflow
- Adjusting the settings of the Power BI Desktop
- Comparison of Power BI vs Other Reporting Tools

❖ Getting and Transforming Data with Power BI Desktop

- Connecting to different sources
- Different connecting Options(DirectQuery vs Import Data Vs Live Connection)
- Shaping and transforming data with Power Query
- Editing,Merging,Appending queries etc

❖ Modeling with Power BI

- Introduction to Modeling
- Building Relational Models(Setup and Manage Relationships)
- Creating table relationships
- Understanding the filter flow
- Cardinality and Cross filtering

❖ DAX

- Understanding Dax Syntax
- Calculated Columns vs Measures
- Common Dax functions and formula
- understanding the evaluation context in DAX

❖ M Function

❖ Visualising Data with Reports

- Creating Visualisations
- Color & Conditional Formatting
- Setting Sort Order

- Scatter & Bubble Charts & Play Axis
- Tooltips
- Slicers, Timeline Slicers & Sync Slicers
- Cross Filtering and Highlighting
- Visual, Page and Report Level Filters
- Drill Down/Up
- Hierarchies
- Constant Lines
- Tables, Matrices & Table Conditional Formatting
- KPI's, Cards & Gauges
- Map Visualisations
- Custom Visuals
- Managing and Arranging
- Drillthrough
- Custom Report Themes
- Grouping and Binning
- Bookmarks & Buttons

❖ Introduction to Power BI Service

- Introduction to the Power BI Service
- Quick Tour of Power BI Service
- Connecting to Data from Power BI service
- Building Blocks of Power BI Service

❖ Sharing and Collaboration Tools in Power BI Service

- Sharing and Collaboration Options Overview
- Publish from Power BI Desktop
- Publish Reports to Web
- Printing and Exporting from Power BI Service
- Sharing Reports & Dashboards
- Workspaces (My Workspace vs App Workspace)
- Publishing Apps in Power BI Service
- Row Level Security in Power BI Desktop and Service

❖ **Power BI Gateway and Refreshing Datasets**

- Understanding Gateways in Power BI
- Difference between Personal and On-Premise Gateway
- Installation of Personal Gateway
- Installation of On Premise Enterprise Gateway
- Setting Up a Gateway in Power BI Service
- Understanding Data Refresh(Manual vs Scheduled Refresh)
- Troubleshooting Refreshing scenarios

❖ **Best practices**

❖ **Projects / Case Study**

Our Benefits

- ❖ **Training from Experts**
- ❖ **Installments Available**
- ❖ **Job Oriented Course**
- ❖ **80% Practical's - Learn from Scratch**
- ❖ **Professional Notes & Study Material Provided**
- ❖ **Certification Course**
 - You will get Course Completion ISO Certificate from our Institute
- ❖ **Live Projects / Case Studies Covered**
- ❖ **Dedicated Placement Team**
- ❖ **100% Job Opportunities**
 - Check recent placed students on site or our google or official fb page
- ❖ **Personal Mentorship**
 - Limited Seats per batch for Personal Mentorship
- ❖ **Friendly Environment with Professional Grooming**
- ❖ **Interview Preparation & Mock Interviews**
- ❖ **Resume Building etc.**

Please visit site for more info or reach us

Sample Certificate



Our 5 Steps Process for Success



Contact Us

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Inquire Now !

