



Data Analyst Master Program

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 classroom & online training format. Our wide range of courses blended by our placement process have helped students from both IT & non-IT fields to make career in IT Industry!

➤ **IT Courses - 1000+ Companies - 1000s Trained – Since 2014!**

Courses Offered – JAVA, Dot Net, Software Testing, Web Development, Oracle Developer & DBA, MySQL, SQL Server, Digital Marketing, Python, Data Science & A.I., Data Analytics, Tableau, Power BI, R Programming, Hadoop, Android, Flutter, Salesforce, ServiceNow etc. please visit website for details.

Our Live Projects – MarriageOnMind.com, BiodataKing, CRM Support 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?

Fresher / Experienced candidates from Any Background looking to Make their Career in Lucrative Data Analyst / Business Analyst. No pre-requisites. We will teach you from Scratch.

Duration

3.5 to 4 months

Learn SQL, Python, Python Analytics, Tableau, Excel & Excel Analytics with Projects. R or Power BI can be added to those interested.

MySQL / Database

❖ Installation & Configuration

❖ Using Professional Tool - MySQL Workbench

❖ 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

❖ **Data Export & Import**

❖ **Creating Professional ER Diagram in MySQL**

❖ **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
- Waffel Chart

❖ Dashboards

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

❖ Case Studies / Project

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

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

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 Dashboards (Project)

Other 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**
- ❖ **Best Placements**
 - Dedicated HR Team for Placements, Overall 1000+ Companies for Placements, Check Recent Placed Students on Site / FB / Google 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

Our 5 Steps Process for Success



Contact Us

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Inquire Now !

