

Learn

Data Analytics

😊 Play With Data

GUIDANCE
Internship
&
Certification
Program



#1

**Career Guidance
Employability & life skills
Communication Skills**
Teach you How to Succeed in life

**MON - FRI, DAILY
1 HOUR LIVE CLASS**

Via **Online** or **Offline** at our location.

#2

#3

**NO PRE-REQUISITES
REQUIRED**

All degrees are welcome.

**MOST BEGINNER-FRIENDLY
TRAINING PROGRAM**

From **ABC** to **XYZ**, No worries at all.

#4

#5

**3 MONTHS CLASSROOM
LEARNING**

#100DaysDataanalyticsChallenge

Data Analytics Course Syllabus

Business Statistics

Introduction to Statistical Analysis

- ☐ Counting, Probability, and Probability Distributions
- ☐ Sampling Distributions
- ☐ Estimation and Hypothesis Testing
- ☐ Scatter Diagram
- ☐ Anova and Chisquare
- ☐ Imputation Techniques
- ☐ Data Cleaning
- ☐ Correlation and Regression

Introduction to Data Analytics

- ☐ Data Analytics Overview
- ☐ Importance of Data Analytics
- ☐ Types of Data Analytics
- ☐ Descriptive Analytics
- ☐ Diagnostic Analytics
- ☐ Predictive Analytics
- ☐ Prescriptive Analytics
- ☐ Benefits of Data Analytics
- ☐ Data Visualization for Decision Making
- ☐ Data Types, Measure Of central tendency, Measures of Dispersion
- ☐ Graphical Techniques, Skewness & Kurtosis, Box Plot
- ☐ Descriptive Stats
- ☐ Sampling Funnel, Sampling Variation, Central Limit Theorem, Confidence interval

Excel: Basics to Advanced

- ☐ Excel tutorial
 - ☐ Text to Columns
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- Concatenate
 - The Concatenate Function
 - The Right Function with Concatenation
 - Absolute Cell References
 - Data Validation
 - Time and Date Calculations
 - Conditional Formatting
 - Exploring Styles and Clearing Formatting
 - Using Conditional Formatting to Hide Cells
 - Using the IF Function
 - Changing the “Value if false” Condition to Text
 - Pivot Tables
 - Creating a Pivot Table
 - Specifying PivotTable Data
 - Changing a PivotTables Calculation
 - Filtering and Sorting a PivotTable
 - Creating a PivotChart
 - Grouping Items
 - Updating a PivotTable
 - Formatting a PivotTable
 - Using Slicers
 - Charts
 - Creating a Simple Chart
 - Charting Non-Adjacent Cells
 - Creating a Chart Using the Chart Wizard
 - Modifying Charts
 - Moving an Embedded Chart
 - Sizing an Embedded Chart
 - Changing the Chart Type
 - Chart Types
 - Changing the Way Data is Displayed
 - Moving the Legend
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- ☐ Formatting Charts
 - ☐ Adding Chart Items
 - ☐ Formatting All Text
 - ☐ Formatting and Aligning Numbers
 - ☐ Formatting the Plot Area
 - ☐ Formatting Data Markers
 - ☐ Pie Charts
 - ☐ Creating a Pie Chart
 - ☐ Moving the Pie Chart to its Own Sheet
 - ☐ Adding Data Labels
 - ☐ Exploding a Slice of a Pie Chart
 - ☐ Data Analysis – Overview
 - ☐ types of Data Analysis
 - ☐ Data Analysis Process
 - ☐ Working with Range Names
 - ☐ Copying Name using Formula Autocomplete
 - ☐ Range Name Syntax Rules
 - ☐ Creating Range Names
 - ☐ Creating Names for Constants
 - ☐ Managing Names
 - ☐ Scope of a Name
 - ☐ Editing Names
 - ☐ Applying Names
 - ☐ Using Names in a Formula
 - ☐ Viewing Names in a Workbook
 - ☐ Copying Formulas with Names
 - ☐ Difference between Tables and Ranges
 - ☐ Create Table
 - ☐ Table Name
 - ☐ Managing Names in a Table
 - ☐ Table Headers replacing Column Letters
 - ☐ Propagation of a Formula in a Table
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- ☐ Resize Table
- ☐ Remove Duplicates
- ☐ Convert to Range
- ☐ Table Style Options
- ☐ Table Styles
- ☐ Cleaning Data with Text Functions
- ☐ Removing Unwanted Characters from Text
- ☐ Extracting Data Values from Text
- ☐ Formatting Data with Text Functions
- ☐ Date Formats
- ☐ Conditional Formatting
- ☐ Sorting
- ☐ Filtering
- ☐ Lookup Functions
- ☐ Pivoting

SQL

- ☐ Introduction to Oracle Database
 - ☐ Retrieve Data using the SQL SELECT Statement
 - ☐ Learn to Restrict and Sort Data
 - ☐ Usage of Single-Row Functions to Customize Output
 - ☐ Invoke Conversion Functions and Conditional Expressions
 - ☐ Aggregate Data Using the Group Functions
 - ☐ Display Data from Multiple Tables Using Joins
 - ☐ Use Sub-Queries to Solve Queries
 - ☐ The SET Operators
 - ☐ Data Manipulation Statements
 - ☐ Use of DDL Statements to Create and Manage Tables
 - ☐ Other Schema Objects
 - ☐ Control User Access
 - ☐ Management of Schema Objects
 - ☐ Manage Objects with Data Dictionary Views
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- ☐ Manipulate Large Data Sets
- ☐ Data Management in Different Time Zones
- ☐ Retrieve Data Using Sub-queries
- ☐ Regular Expression Support

Tableau

Module 1: Tableau Course Material

- Start Page
- Show Me
- Connecting to Excel Files
- Connecting to Text Files
- Connect to Microsoft SQL Server
- Connecting to Microsoft Analysis Services
- Creating and Removing Hierarchies
- Bins
- Joining Tables
- Data Blending

Module 2: Learn Tableau Basic Reports

- ☐ Parameters
 - ☐ Grouping Example 1
 - ☐ Grouping Example 2
 - ☐ Edit Groups
 - ☐ Set
 - ☐ Combined Sets
 - ☐ Creating a First Report
 - ☐ Data Labels
 - ☐ Create Folders
 - ☐ Sorting Data
 - ☐ Add Totals, Sub Totals and Grand Totals to Report
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Module 3: Learn Tableau Charts

- Area Chart
- Bar Chart
- Box Plot
- Bubble Chart
- Bump Chart
- Bullet Graph
- Circle Views
- Dual Combination Chart
- Dual Lines Chart
- Funnel Chart
- Traditional Funnel Charts
- Gantt Chart
- Grouped Bar or Side by Side Bars Chart
- Heatmap
- Highlight Table
- Histogram
- Cumulative Histogram
- Line Chart
- Lollipop Chart
- Pareto Chart
- Pie Chart
- Scatter Plot
- Stacked Bar Chart
- Text Label
- Tree Map
- Word Cloud
- Waterfall Chart

Module 4: Learn Tableau Advanced Reports

- ☐ Dual Axis Reports
- ☐ Blended Axis
- ☐ Individual Axis
- ☐ Add Reference Lines

- ☐ Reference Bands
- ☐ Reference Distributions
- ☐ Basic Maps
- ☐ Symbol Map
- ☐ Use Google Maps
- ☐ Mapbox Maps as a Background Map
- ☐ WMS Server Map as a Background Map

Module 5: Learn Tableau Calculations & Filters

- ☐ Calculated Fields
- ☐ Basic Approach to Calculate Rank
- ☐ Advanced Approach to Calculate Ra
- ☐ Calculating Running Total
- ☐ Filters Introduction
- ☐ Quick Filters
- ☐ Filters on Dimensions
- ☐ Conditional Filters
- ☐ Top and Bottom Filters
- ☐ Filters on Measures
- ☐ Context Filters
- ☐ Slicing Filters
- ☐ Data Source Filters
- ☐ Extract Filters

Module 6: Learn Tableau Dashboards

- ☐ Create a Dashboard
 - ☐ Format Dashboard Layout
 - ☐ Create a Device Preview of a Dashboard
 - ☐ Create Filters on Dashboard
 - ☐ Dashboard Objects
 - ☐ Create a Story
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Module 7: Server



- ☐ Tableau online.
- ☐ Overview of Tableau Server.
- ☐ Publishing Tableau objects and scheduling/subscription.

Power BI

Module 1: Introduction to Power BI

- ☐ Get Started with Power BI
- ☐ Overview: Power BI concepts
- ☐ Sign up for Power BI
- ☐ Overview: Power BI data sources
- ☐ Connect to a SaaS solution
- ☐ Upload a local CSV file
- ☐ Connect to Excel data that can be refreshed
- ☐ Connect to a sample
- ☐ Create a Report with Visualizations
- ☐ Explore the Power BI portal

Module 2: Viz and Tiles

- ☐ Overview: Visualizations
- ☐ Using visualizations
- ☐ Create a new report
- ☐ Create and arrange visualizations
- ☐ Format a visualization
- ☐ Create chart visualizations
- ☐ Use text, map, and gauge visualizations and save a report
- ☐ Use a slicer to filter visualizations
- ☐ Sort, copy, and paste visualizations
- ☐ Download and use a custom visual from the gallery

Module 3: Reports and Dashboards

- ☐ Modify and Print a Report
- ☐ Rename and delete report pages
- ☐ Add a filter to a page or report

- ☐ Set visualization interactions
- ☐ Print a report page
- ☐ Send a report to PowerPoint
- ☐ Create a Dashboard
- ☐ Create and manage dashboards
- ☐ Pin a report tile to a dashboard
- ☐ Pin a live report page to a dashboard
- ☐ Pin a tile from another dashboard
- ☐ Pin an Excel element to a dashboard
- ☐ Manage pinned elements in Excel
- ☐ Add a tile to a dashboard
- ☐ Build a dashboard with Quick Insights
- ☐ Set a Featured (default) dashboard
- ☐ Ask Questions about Your Data
- ☐ Ask a question with Power BI Q&A
- ☐ Tweak your dataset for Q&A
- ☐ Enable Cortana for Power BI

Module 4: Publishing Workbooks and Workspace

- ☐ Share Data with Colleagues and Others
- ☐ Publish a report to the web
- ☐ Manage published reports
- ☐ Share a dashboard
- ☐ Create an app workspace and add users
- ☐ Use an app workspace
- ☐ Publish an app
- ☐ Create a QR code to share a tile
- ☐ Embed a report in SharePoint Online

Module 5: Other Power BI Components and Table Relationship

- ☐ Use Power BI Mobile Apps
 - ☐ Get Power BI for mobile
 - ☐ View reports and dashboards in the iPad app
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- ☐ Use workspaces in the mobile app
- ☐ Sharing from Power BI Mobile
- ☐ Use Power BI Desktop
- ☐ Install and launch Power BI Desktop
- ☐ Get data
- ☐ Reduce data
- ☐ Transform data
- ☐ Relate tables
- ☐ Get Power BI Desktop data with the Power BI service
- ☐ Export a report from Power BI service to Desktop

Module 6: DAX functions

- ☐ New Dax functions
- ☐ Date and time functions
- ☐ Time intelligence functions
- ☐ Filter functions
- ☐ Information functions
- ☐ Logical functions
- ☐ Math & trig functions
- ☐ Parent and child functions
- ☐ Text functions

Python Basics

- ☐ The print statement
 - ☐ Comments
 - ☐ Python Data Structures & Data Types
 - ☐ String Operations in Python
 - ☐ Simple Input & Output
 - ☐ Simple Output Formatting
 - ☐ Deep copy
 - ☐ Shallow copy
 - ☐ Operators in python
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REGISTRATIONS ARE OPEN FOR NEW BATCHES



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**WISH YOU
ALL THE BEST**

