Data Visualisation with Tableau

Project Based Immersive Learning Course

Course Overview?

The objective of this Tableau Certification course is to provide you the essential skills to master Tableau Desktop, a powerful tool extensively used for data visualization, reporting, and business intelligence. By enrolling in this course, you will acquire job-ready skills that are highly demand after by organizations for data-related roles, and it will enable you to advance your career in analytics. This hands-on experience will provide you with valuable exposure to the application of Tableau in different sectors. The Tableau training presented in this course is designed to help you excel in Business Intelligence tools, Data Visualization, and reporting. The program aims to equip you with the required knowledge and skills to clear Tableau Desktop, Analyst, and Server certification exams. Obtaining these certifications will give you an edge in the job market and help you progress in your career.

Benefits of Advanced Excel Course:

Tableau has consistently been recognized as a "leader" in the Gartner Magic Quadrant for Analytics and Business Intelligence Platforms. According to projections, the global Tableau services market is expected to reach US$ 2,183.2 by 2028, with a compound annual growth

rate (CAGR) of 13.6% from 2022 to 2028. As of 2022, the market value of Tableau services is estimated to be US$ 1,016.5.

Who should learn Tableau Data Visual Basic Course:

- Program Managers
- Product Managers
- Data Professionals

Why do you need Microsoft Power BI Certification Training Course?

Pay Scale:

According to data from the job website Indeed, the average salary for a Tableau professional in the United States is approximately $98,000 per year. However, salaries can range from around $60,000 per year for entry-level positions such as Tableau Analyst to over $150,000 per year for senior-level roles such as Tableau Architect or Data Scientist with Tableau expertise.

Industries:

Financial Services, Healthcare, Retail, Government, Technology, Education, Bank of America, Facebook and many other MNCs worldwide across industries use Tableau.

Position in Market:

According to the 2021 Gartner Magic Quadrant for Analytics and Business Intelligence Platforms, Tableau has once again been recognized as a Leader. This marks the 9th

consecutive year that Tableau has received this honour, indicating its strong standing within the market.

Designations:

- Data Analyst
- Business Analyst
- Tableau Consultant
- Tableau Analyst
- Data Engineer
- Tableau Developer
- Business Intelligence Developer

Why Microsoft Advanced Excel Course from Education Nest

- **Free Demo on Request**
- **Live Interactive Learning**
- **Lifetime Access**
- **Flexible Schedules**
- **24x7 Support**
- **One on One Doubt Clearing**
- **Real Time Project-Based Learning**
- **Certificate Oriented Curriculum**

Key Skills Covered:

- Data Visualization Principles
- Tableau Software
- Arithmetic logical LOD calculations
- Analytics using Tableau
- Interactive Visualization
- Effective Storytelling
- Data comprehension

Tableau Training Course Syllabus

Introduction to Data Visualization and Tableau:

- History of Data Visualization
- Data Visualization
- Benefits of Visualizing Raw data
- What is Business Intelligence
- Introduction to Tableau
- Tableau Architecture
- Tableau Server Architecture
- VizQL
- Introduction to Tableau Prep
- Tableau Prep Builder User Interface
- Data Preparation techniques using Tableau Prep Builder tool
- Advantages and Disadvantages of Tableau
- Load Data from excel

Data Sources and Preparing Data

- Types of Data Sources
- Connecting to Tableau Server
- Types of Connections
- Connecting to Different Data Source
- Preparing Data for Analysis
- Data Joining
- Relationships
- Union
- Data Blending
- Aggregation in Tableau
- Pivot
- Data Interpreter
- Split
- Creating extracts with multiple tables

Working with Metadata

- Data Types
- Dimension vs Measures
- Application of Discrete and Continuous Fields
- Rename Hide Unhide and Sort Columns
- Default Properties of Fields
- Create Aliases

Types of Filters in Tableau

- Dimension Filter
- Measure Filter
- Date Filter
- Visual Filter
- Interactive Filter
- Data source Filter
- Context Filter
- Filter Operations

Sorting of Data in Tableau

- Basic Sorting
- Group
- Sets
- Bins and Histogram
- Hierarchies

Creating Charts and Graphs

- Text table and Cross table
- Highlight Tables
- Heat Maps
- Bar Chart, Line Chart, Pie Chart
- Stacked Bar Chart
- Sparkline
- Crosstab
- Bullet Graph
- Bump & Gantt Chart
- Histogram
- Motion & Waterfall charts
- Scatter Plot
- Tree Map
- Bubble chart
- Word Cloud
- Combined-Axis Chart
- Dual-Axis Charts
- Funnel Chart
- Importance of Maps
- Creating Maps with Tableau
- How to Pan Zoom and Select in Tableau

- Using Maps to Filter Data
- Map Layering
- Creating Custom Territories
- Modifying Locations within Tableau
- Geocoding
- Using Background Image
- Tableau Map Search

Calculation in Tableau

- Learning Objectives
- Types of Calculation
- Ad-hoc Calculations
- Table Calculations
- Built in Functions
- Introduction to Level of Detail (LOD)
- Fixed LOD
- Include LOD
- Exclude LOD
- Nested LOD Expressions
- Aggregation and Replication with LOD Expressions
- Helper Functions
- KPI Table

Advanced Visual Analytics

- Parameters
- Creating Parameters
- Parameters with Filters
- Parameters in Calculations
- Column Selection Parameters
- Chart Selection Parameters
- Tooltips
- Tooltip Visualizations
- Reference and Trend Lines
- Reference Bands
- Distribution Bands
- Bullet Chart
- Box Plot
- Forecasting
- Clustering
- Reference Distributions
- Statistical Summary Card
- Instant Analytics

Dashboards and Stories

- Dashboard
- Working with Layout
- Objects in Dashboard
- Dashboard Layouts and Formatting

- Building Interactive Dashboard
- Actions in Dashboard
- Best Practices for Dashboard Creation
- Dashboards for Mobile
- Introduction to Storyboard
- Creating and Updating Story Points
- Publishing and Sharing Options

Career Support

Profile Building:

Experienced professionals are available to offer tailored assistance in crafting your CV and online profiles, taking into account your unique educational and experiential background.

Interview Preparation:

The upcoming interview preparation service will include personalized one-on-one sessions and the option for mock interviews if needed.

Job Referrals:

At Education Nest, we receive a variety of job requirements from diverse sources such as organizations, our clients, HR consultants, and a vast network of Education Nest currently employed in different companies. We strive to meet these varied requirements to the best of our abilities.

Continuous Support:

We offer continuous support for as much time as you need it, and a considerable number of our learners receive multiple interviews offers and promising employment opportunities as a result of the abilities they gain during the program.