Advanced Concepts of Data Visualization Training

Duration: **2 Day**

BILGINC IT Academy
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The **Advanced Concepts of Data Visualization** course teaches you how to transform complex data into **clear, interactive, and actionable visual insights**.

This course builds on foundational visualization skills and focuses on**advanced chart types, dashboard design, and data storytelling techniques**. It also explores how design choices such as color, layout, and annotations impact how data is interpreted.

Throughout the course, participants gain hands-on experience with interactive dashboards, live data pipelines, and mobile optimization. You will also learn how to use Power Query and DAX for data transformation and modeling.

Prerequisites

- Understanding of common chart types
- Ability to choose appropriate visuals
- Awareness of color usage and accessibility
- Knowledge of labeling and annotations
- Experience with data cleaning and quality
- Basic data analysis skills
- Familiarity with Power BI

Who Should Attend

- Data visualization professionals
- Data analysts with Power BI knowledge
- Dashboard and pipeline developers
- BI professionals
- Data scientists and business analysts

What You Will Learn

- Create compelling data stories
- Apply best practices for dashboards and charts
- Use advanced chart types (network, waterfall, stream graphs, etc.)
- Implement interactivity in Power BI (slicers, tooltips, bookmarks)
- Build live data pipelines
- Transform data using Power Query and DAX
- Optimize dashboards for performance and mobile use
- Apply row-level security

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Training Outline

Advanced Charts & Design

- Role of design in data communication
- Color theory and accessibility
- Advanced chart types
- Ethical visualization

Interactivity & Data Pipelines

- Slicers, tooltips, bookmarks
- Live dashboards
- Power Query & DAX

Storytelling & Publishing

- Data storytelling
- Mobile optimization
- Security and publishing