



MICROSOFT TRAINING

Advanced Data Visualization Techniques in Power BI Course Overview

Elevate your Power BI skills. Master advanced data visualization to create impactful, insightful reports.

DURATION

8 hours

LEVEL

Intermediate

FORMAT

Instructor-Led

- Globally Recognized Certification

- Expert-Led Hands-On Training

- Flexible Scheduling

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COURSE OVERVIEW

This intensive 8-hour "Advanced Data Visualization Techniques in Power BI" course, offered by Computer Pride, is designed for intermediate Power BI users looking to elevate their data storytelling capabilities. Moving beyond basic charts and standard reports, this course dives deep into creating highly interactive, aesthetically superior, and deeply insightful dashboards and reports using Microsoft Power BI. Participants will explore advanced charting options, custom visuals, and learn to leverage complex DAX patterns specifically for enhancing visualization, ensuring their data presentations are not just informative but also powerfully persuasive. By focusing on practical application, you will gain hands-on experience transforming raw data into compelling visual narratives.

By mastering these advanced techniques, professionals will be equipped to transform raw data into compelling visual narratives that drive strategic decision-making. The course emphasizes best practices in dashboard design, performance optimization, and the effective communication of complex insights. It's ideal for those who frequently present data and aim to create reports that truly stand out, offering clear, actionable intelligence to stakeholders and leadership. This certification will significantly enhance your ability to lead data-driven initiatives within any organization, positioning you as a crucial asset in data-driven environments.

Duration	8 hours
Level	Intermediate
Vendor	Microsoft

COURSE CURRICULUM

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Module 1: Advanced Power BI Visualization Principles

 - Review of core Power BI visualization concepts and best practices
 - Principles of effective data storytelling and narrative design
 - Advanced dashboard design best practices and user experience (UX) considerations
 - Understanding cognitive load and visual hierarchy in reports
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Module 2: Custom and Advanced Visuals

 - Utilizing built-in advanced charts (e.g., Waterfall, Funnel, Decomposition Tree)
 - Exploring and implementing custom visuals from AppSource
 - Integrating R and Python visuals for specialized plots and statistical graphics
 - Creating small multiples for effective comparative analysis and trend identification
- 03

Module 3: Enhancing Interactivity and User Experience

 - Advanced Slicers, Filters, and Bookmarks for dynamic report states
 - Implementing drill-through and page navigation techniques for detailed insights
 - Designing effective tooltips and visual headers for context
 - Techniques for responsive dashboard design across different devices
- 04

Module 4: DAX for Dynamic Visualizations

 - Creating complex measures and calculated columns specifically for advanced visuals
 - Utilizing DAX for dynamic conditional formatting and threshold alerts
 - Implementing field parameters for user-driven visualization choices and analysis
 - Advanced time intelligence functions for visual trend analysis and comparisons

Module 5: Performance Optimization and Accessibility

- 05**
- Strategies for optimizing report performance with large datasets and complex visuals
 - Techniques for reducing visual load and improving query efficiency
 - Designing accessible Power BI reports for all users, including those with disabilities
 - Deployment considerations and sharing best practices for advanced reports

CAREER PATHWAYS

Graduates of this program are prepared for the following roles:

- > **Senior Business Intelligence Analyst**
- > **Data Visualization Specialist**
- > **Power BI Solutions Developer**

FREQUENTLY ASKED QUESTIONS

Q: What specific Power BI skills should I have before enrolling in this advanced course?

Participants should have a solid foundational understanding of Power BI Desktop, including experience with data loading and transformation (Power Query), basic DAX formula creation (measures and calculated columns), and familiarity with creating standard charts and simple reports. This course is designed to build upon those fundamental skills, exploring more complex visualization techniques and advanced report design principles to elevate your existing Power BI proficiency.

Q: How will mastering advanced data visualization techniques in Power BI directly impact my career growth as a data professional?

This course empowers you to transcend basic reporting by enabling you to create highly interactive, insightful, and aesthetically compelling dashboards that tell powerful data stories. This directly translates into being able to communicate complex data narratives more effectively, influencing strategic decisions, leading to roles such as a Data Visualization Specialist, Senior BI Analyst, or a Power BI Solutions Developer, where the ability to translate raw data into actionable intelligence is paramount and highly valued by employers.

Q: Does this course cover the integration of other tools or languages with Power BI for more sophisticated visualizations?

Yes, this course specifically delves into integrating specialized visuals, including leveraging custom visuals available on AppSource to extend Power BI's native capabilities. Furthermore, it introduces how to incorporate R and Python scripts directly within Power BI to create highly customized and statistical visualizations. This provides greater flexibility and advanced analytical capabilities, allowing you to produce visuals that go beyond Power BI's standard chart options and meet specific analytical requirements.

ABOUT COMPUTER PRIDE

East Africa's Premier IT Training Center



With over 15 years of excellence, Computer Pride delivers globally recognized certification programs from leading technology vendors. Located on Kenyatta Avenue in Nairobi's CBD, our state-of-the-art facilities and expert instructors have empowered thousands of professionals across East Africa.

15+

Years of Excellence

10,000+

Professionals Trained

50+

Vendor Certifications

READY TO ENROL?

Take the next step in your technology career.

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