

WSQ Advanced Data Visualization using Power BI

SOA: Data Visualisation

Description

This 3-day course is designed for Power BI users who want to take their data visualization skills to the next level. Participants will delve into advanced techniques for creating compelling and informative dashboards and reports.

The course will cover advanced data manipulation, custom visuals, DAX (Data Analysis Expressions), storytelling with data, and best practices for deployment and sharing.

Who is this Course For?

Admin, operational, and managerial staff who use Power BI to perform advanced data analysis and create interactive dashboards for reporting purposes.

Course Objectives

By the end of this course, learners will be able to:

- Apply Advanced Data Visualization via Power Query Editor.
- Analyze Data Patterns, Trends and Correlations in Advanced Data Visualization.
- Implement DAX Techniques in Dashboard and Scorecard Development Process.
- Develop Custom Visuals in the Form of Tables, Graphs and Dynamic Data Display.
- Determine Storytelling Techniques to Support Presentation of Data Analysis.

Course Duration

24 Hours

Course Reference No.

TGS-2024048385

Mode of Training

Classroom

Funding Validity

Till 18 Aug 2026

Full Fee \$1500

(Subject to 9% GST)

Pricing	Funding	Nett Fee (After GST)
SME OR SINGAPOREAN AGE 40 AND ABOVE	70%	\$585
NON-SME OR SINGAPOREAN AGE 21 TO 39 OR PR	50%	\$885
Subsidies available: SFC, SFEC, UTAP & PSEA		

As pre-requisites may differ by course, we strongly encourage you to review the details and contact us for any clarification.



Course Content

Learning Unit 1: Power Query Editor Deep Dive

- Advanced data transformations (pivoting, unpivoting, merging)
- M language fundamentals for custom data manipulation
- Appraising error handling and data quality checks

Learning Unit 2: Beyond Basic Charts

- Waterfall charts, funnel charts, gauges, and other advanced visuals
- Formatting and customizing visuals for impact
- Interactive elements and user experience considerations

Learning Unit 3: DAX Advanced Techniques

- Calculated columns and measures
- DAX syntax and common functions
- Filtering and aggregation with DAX
- Time intelligence functions (DATES, PERIODS, etc.)
- Utilizing advanced filtering and calculated tables
- Creating complex KPIs and performance metrics

Learning Unit 4: Custom Visuals and the Power BI Marketplace

- Identifying and integrating custom visuals for specific needs
- Evaluating and selecting appropriate custom visuals
- Leverage custom visuals for unique data storytelling

Learning Unit 5: Storytelling with Data

- Designing dashboards and reports with a narrative flow
- Engaging users with visuals and data insights
- Best practices for layout, hierarchy, and user interaction