JAMES COOK INSTITUTE

WSQ Advanced Data Visualisation using Power BI

COURSE DURATION
24 Hrs

COURSE REFERENCE NO.
TGS-2024048385

MODE OF TRAINING
Classroom

FUNDING VALIDITY
Till 18 Aug 2026

This 3-day course is designed for Power BI users who want to take their data visualisation 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.

Course Objectives

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

- Apply Advanced Data Visualization via Power Query Editor.
- Analyse Data Patterns, Trends and Correlations in Advanced Data Visualisation.
- 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

Who Is This Course For

- This course is ideal for anyone who uses technology in their daily lives, including home computer users, students, professionals and business owners.

FULL FEE

$1,500

(Subject to 9% GST)

NETT FEE AFTER FUNDING

$585

SME OR Singaporean age 40 and above (including GST)
70% Course Fee Funded

$885

Non-SME OR Singaporean age 21 to 39 OR Singapore PR
(Including GST)
50% Course Fee Funded

Subsidies Available

SkillsFuture Credit
PSEA

Visit Our Website

📞 6737 5761   💬 8767 0614   ✉ enquiry@jci.edu.sg

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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

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