

# WSQ Data Visualization Techniques Using Tableau



COURSE DURATION

**16 Hrs**

COURSE REFERENCE NO.

**TGS-2022017336**

MODE OF TRAINING

**Classroom**

FUNDING VALIDITY TILL

**Till 04 Dec 2026**

Organisations now have access to many sources of digital data. Organisations must cultivate staff with the necessary skills to be able to analyse these data and apply contemporary techniques to create dynamic and interactive visual displays in order to better illustrate and articulate to business stakeholders. This course sets out the skills and abilities for learners to master the features and functions of Tableau. Learners will be able to understand key concepts and techniques on creating data visualization, create visuals, understand data relationships and generate data for forecasting and trends.

## Who is This Course For

- This training is relevant to Executives, Senior Executives and Data Analyst, Managers who are keen to learn how to fully utilise Tableau Desktop as a BI tool. This training is relevant to learners who are keen to explore data analytics as a job role.

## Course Objectives

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

- Identify and select the appropriate visualization techniques to convey findings as well as understand interactive visual display for the purpose of illustrating data analysis insights and interpret the results
- Organise the presentation of the data to reflect business trends and use visualization techniques to show correlations between data sets for the purpose of understanding correlations in data and data trends
- Incorporate suitable chart elements to create informative and interactive data displays for the purpose of representing the data in the appropriate context by using calculated fields, parameters, or bins.
- Develop basic dashboards using visualization tools and techniques like map, Gantt bar, polygon etc to display benchmark and results achieved to provide insights into business performance for the purpose of applying best practice techniques and suitable visualisation to display data against benchmarks
- Incorporate interactive graphical visuals and apply technical features into the data dashboard for the purpose of displaying how data interact with each other using features in Tableau
- Communicate the limitations of data available and interpret the results to provide business insights from the data analysis for the purpose of engaging stakeholders via dashboards

FULL FEE

**\$550**

(Subject to 9% GST)

NETT FEE AFTER FUNDING

**\$214.50**

SME OR Singaporean age  
40 and above (Subject to  
9% GST)

**70% Course Fee Funded****\$324.50**

Non-SME OR Singaporean  
age 21 to 39 OR Singapore  
PR

(Subject to 9% GST)

**50% Course Fee Funded**

Subsidies Available  
Individual

SkillsFuture Credit  
UTAP  
PSEA



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## Course Content

### Learning Unit 1: What Is Data Visualization and Data Analysis

- Data Visualization
- The Cycle of Analytics
- Data Analysis

### Learning Unit 2: Basic Tableau Features

- Connect to Data Source
- Workbooks and Sheets

### Learning Unit 3: Measures and Dimensions

- Basic Tableau Features and Types of Visualization
- Starting to Analyse Data
- Adding Dimensions for More Analysis
- Swapping Rows and Columns (Transpose)
- Bar Charts
- Pie Charts
- Line Charts

### Learning Unit 4: Transforming Data in Tableau with Dynamic Parameters and Calculated Fields

- Create A Calculation Field
- Table Calculations
- Using Parameters

### Learning Unit 5: Creating Dashboards with Advance Visualisation

- KPI Cards
- Create Lollipop Chart

### Learning Unit 6: Introducing Interactivity In Dashboards With Parameters And Filtering

- Create Dashboard
- Linking Multiple Data Sources in Tableau
- Create Filled Map and Filter
- Adding Filters and Interactivity into Dashboard
- Applying Colour to A Single Column/ Bar Visualisation

### Learning Unit 7: Telling A Story Using Dashboards

- Best Practices for Telling Great Stories
- Create A Story

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