Data Visualisation Practicum

Course Synopsis:

This course aims to equip learners with the ability to present data effectively using various visual techniques through graphical means. In this course, learners will have the opportunity to apply what they have learnt through hands-on practical where they perform data analysis and work on dataset to create visualisation and dashboard using data analytics tools.

Learning Objectives:

Upon successful completion of this course, the learners will be able to:

1. Perform data preparation techniques such as extracting, cleaning and integrating to pre-process data prior to analysis
2. Create charts, maps and animation using data visualisation tool
3. Design dashboard for the visual representation of data
4. Apply visualisation techniques for effective presentation of data through graphical means

Course Duration:

1 day

Analytical Software:

- Power BI / Tableau / QlikSense

Course Fee:

This is a course under the SkillsFuture Series. The course fee and subsidy table as follows (exclude GST):

Course Name	Total Programme Fee	Singapore Citizen < 40 yrs old and Permanent Residents	Singapore Citizens ≥ 40 yrs old	Singapore Citizens and Permanent Residents under PR
Data Visualisation Practicum	$260.00	$78.00	$26.00	$26.00

The course fee is inclusive of venue and course materials. Certificate of participation will be provided for participants who have attended 75% of the course.

Course Programme:

Time	Programme
0900 – 1000	**Data Matters** • Basic Data Preparation Techniques ***Hands-on: Connecting to Data*** • Getting started with data
1000 – 1030	**Break**
1100 – 1230	***Hands-on: Connecting to Data*** • Data Mashup (joining multiple data source) • Data cleaning and transformation
1230 – 1330	**Lunch**
1330 – 1530	**Data Visualisation** • Introduction to Data Visualisation • Visualisation Techniques & Principles ***Hands-on: Visualisation Techniques I*** • Visualising time-series data, proportions, distribution, correlation and geospatial data
1530 – 1600	**Break**
1600 – 1700	***Hands-on: Visualisation Techniques II*** • Creating interactive dashboard ***Assessment: Try-it-Yourself***
1700 – 1730	**Closing and Feedback**