



AVENTIS
LEARNING GROUP

Data Visualisation Using Tableau For Beginners

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Overview

Data visualization continues to be one of the most in-demand skills as business and enterprises of all sizes pivot to becoming data-driven. In this course, you will learn how to use Tableau effectively for the purpose of uncovering powerful data insights. It will cover what data visualization is and explain the main functions of Tableau. Participants will learn how to connect to data in Tableau and how to manipulate data in Tableau to build visualizations. Hands-on exercises on each type of visualization and how each type is built. Describes how to export and share data insights. Participants will also learn various important concepts in Tableau, such as dimensions and measures, differences between discrete and continuous, aggregations, and timeliness.

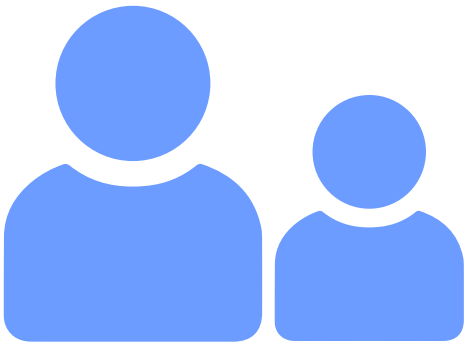
***Learners should have an internet-enabled laptop with a Windows operating system and Tableau Desktop or Tableau Public preinstalled (an installation guide will be sent prior to the course date) for this course.**

Learning Outcomes

Upon completion of the course, learners would be able to:

- Gain an overview of the data analytics landscape
- Understand the key principles and elements of building an impactful data visualisation
- Understand the basics of Tableau and how to navigate it
- Gain practical experience in creating key features of Tableau functionality (charts, maps, etc.)
- Learn the fundamentals of dashboard designing
- Develop an interactive dashboard on Tableau and learn to gain insights from it

Who Should Attend



- Anyone who wants to create professional dashboards and reports to analyze data and derive insights.
- It is also applicable to students, working professionals and PMETs.

** Learners should have an internet-enabled laptop for this course.*

Trainer's Profile



Master Trainer: Gary Goh

Gary is an experienced data analyst with a demonstrated history of working in leading software and biotechnology companies; a CPE-Registered adjunct lecturer at multiple private education institutions to teach and examine courses for diploma to postgraduate levels. He holds an MBA in Finance, BSc in Finance, Specialist Diploma in Big Data Analytics, as well as professional certifications such as Microsoft Professional Program for Data Science and Advanced Certificate in Training and Assessment (ACTA).

As a firm believer in lifelong learning, he is currently pursuing Master of Science in Analytics from Georgia Tech, which is one of the top-ranking universities in the world for Computer Science. He is always curious in understanding how things work under the hood and identifying hidden business opportunities with the help of data. Exploring effective ways to communicate findings with the stakeholders through data storytelling. Skilled in SQL, Python, Tableau, Power BI, EDA.

Course Outline

Module 1: Data analytics: an overview

- What is analytic?
- Data analytics value chain
- Extract, Transform, Load (ETL)
- 6-steps framework

Module 2: Selecting the right chart

- What are the steps to building a good chart?

Module 3: Introduction to Tableau

- Installing Tableau Public
- Connecting to data
- Tableau Interface Features
- Interacting with data

Module 4: Tableau charts

- A step-by-step approach to building charts, histograms, tree maps, timelines and maps
- Hands-on exercises on Tableau Public

Module 5: Self-service analytics using dashboards

- Designing dashboard fundamentals
- Class exercise: building interactive dashboard on Tableau Public
- Class exercise: gaining insights from the dashboard
- Learning from Tableau Public

Course Details



2 Day
9.00am-5.00pm (Classroom)
9.30am-4.30pm (Virtual)



Classroom Learning @
Holiday Inn Orchard City
Centre / Concorde Hotel
or **Virtual Learning** via
Zoom



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\$680 Before GST

