



**AVENTIS**  
LEARNING GROUP

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# Intermediate to Advanced Data Visualisation with Power BI

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# Overview

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*Power BI is a business analytics service provided by Microsoft that allows users to visualize and analyze data from a wide range of sources. It provides interactive data visualization tools and business intelligence capabilities with an interface simple enough for end-users to create their own reports and dashboards without relying on IT support. Continue reading more on why you should learn Power BI [here](#).*

*This Power BI course will provide you with a comprehensive yet practical understanding of the entire analytics value chain, with a particular emphasis on data visualisation. You'll study the principles of data visualisation and expose yourself to step-by-step demonstrations of creating various visualisations with Microsoft's Power BI.*

*Because this is positioned as an intermediate course, learners need to have already attended the [Introduction to Data Visualisation Using Power BI](#) course or are at least very familiar with Power BI's basic functionalities. If you are unsure, kindly refer to the [Introduction to Data Visualisation Using Power BI](#) course page to validate if you know those functionalities.*

***\*Learners should have an internet-enabled laptop with a Windows operating system and Microsoft Power BI preinstalled (an installation guide will be sent prior to the course date) for this course.***

# Learning Outcomes

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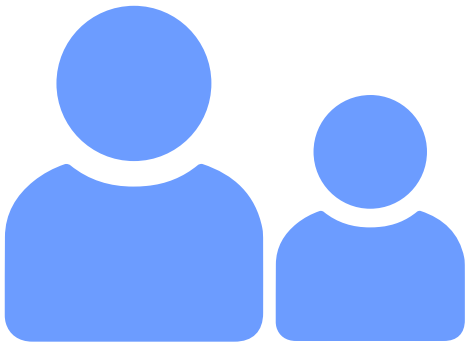


## Upon completion of the course, learners would be able to:

- Understand the different methods of importing data beyond Excel
- Create complex data models using Power BI
- Transform and clean data to make it ready for analysis
- Use Power Query Editor to create data modelling and discover relationships between data
- Build advanced visualisations, such as custom visuals, matrixes, maps, KPIs, etc
- Publish and share Power BI reports and dashboards

# Who Should Attend

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*This course is designed for learners who have either*

- *Completed the Introduction to Data Visualisation Using Power BI course; or*
- *Regularly use and/or are familiar with Excel and Power BI features such as charting and navigation*

*\*Please note that the course will not cover the basic features and operations of Power BI. It will start on the assumption that learners come with the above knowledge.*

*\* Learners should have an internet-enabled laptop with a Windows operating system and Microsoft Power BI preinstalled (an installation guide will be sent prior to the course date) for this course.*

# Trainer's Profile

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## Power BI Master Trainer, Paul Lee

Paul is a certified trainer with over 15 years of experience training corporate professionals in financial analysis, data modelling, and data visualization using advanced BI platforms. He is also an acquainted risk analyst and possesses rich domain knowledge in developing and deploying business insight with major analytical tools such as Power BI, Tableau, Qlik Sense, and Python for business analyses.

As a well-versed practitioner and trainer in data analytics, several of his course plans using advanced BI platforms have been adopted by major learning hubs for both their public and corporate runs.

Paul has a Bachelor of Business degree with distinction and holds double Master degrees in both Applied Finance and Accounting.

# Course Outline

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## Module 1: Getting Started

- An introduction to Power BI
- Working with Power BI desktop files (different source files)
- Connecting to data sources with Power BI desktop
- Creating a report with visualisations
- Discover more with Visualisations

## Module 2: Working with Data and Data Cleaning

- Transforming and sanitising data
- Using the Power Query Editor
- Data modelling
- Managing relationships

## Module 3: Working with Reports and Visualisations

- Managing report pages
- Changing report view options
- Working with visualisations
- Adding static objects to a report

## Module 4: A Closer Look at Visualisations

- Matrixes, Tables and Charts
- Maps
- Cards, Gauges and KPIs
- Slicers

## Module 5: Introduction to Power BI Web App (Distribution | Collaboration with Power BI)

- Publishing to Power BI Web App
- Using workspaces, dashboards and reports
- Power BI Web App features

# Course Details

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1 Day  
9.00am to 5.00pm (Classroom)  
9.30am to 4.30pm (Virtual)



**Classroom** at Holiday Inn Orchard/ Concorde Hotel  
OR **Virtual** via Zoom



(65) 6720 3333  
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\$680 Before GST

