



# Power BI Data Visualisation and Dashboards (DLPD- 300) Agenda

Prepared for Data & Analytics Training

Prepared by Altis Consulting

# 1 Introduction

This introductory course covers connecting to and extracting data, transforming the data, creating powerful reports and dashboards in Power BI and publishing the results. The hands-on sessions is focused on report consumers and report developers and allows for attendees to learn; functionality and appearance, interactivity and navigation, data acquisition modes, creating an app, creating a dashboard, shared workspaces and more.

This course is aimed at all participants who are involved with creating data visualisations in Power BI at the intermediate level.

## 1.1 Learning Outcomes

At the end of this course delegates should be able to:

- Understand the Power BI Ecosystem and Terminology
- Bring Data into Power BI and perform necessary cleaning and transformations.
- Effectively navigate the Power BI Visualisation Canvas.
- Select and implement best practice data visualisations
- Facilitate data stories by configuring visualisation interactions, custom tooltips and drill throughs.
- Use advanced data visualisation techniques effectively.
- Publish and share reports and dashboards.

## 2 Example course agenda

#	Topic
1.	<b>Introduction to the Power BI Ecosystem and Terminology</b> <ul style="list-style-type: none"><li>• Power BI Desktop</li><li>• Power BI Service</li><li>• Reports, Datasets, Dashboards, Apps</li></ul>
2.	<b>Basic Data Wrangling and Shaping</b> <ul style="list-style-type: none"><li>• Navigating Power BI Desktop</li><li>• Getting Data</li><li>• Essential data transformations</li><li>• Custom Measure Creation using DAX</li></ul>
3.	<b>The Power BI Visualisation Canvas</b> <ul style="list-style-type: none"><li>• Navigating the Visualisation Canvas</li><li>• Creating your Report Template</li><li>• Selecting and Creating Visuals (Data Vis Best Practice)</li></ul>
4.	<b>Data Storytelling Using Power BI</b> <ul style="list-style-type: none"><li>• Using slicers and the filter pane</li><li>• Visualisation Interactions</li><li>• Tooltips</li><li>• Drill-throughs</li></ul>
5.	<b>Advanced Visualisation Techniques</b> <ul style="list-style-type: none"><li>• The Matrix Visual</li><li>• Using Indicators and Conditional Formatting</li><li>• Trendlines and Forecasting</li></ul>

#	Topic
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|  | <ul style="list-style-type: none"><li>• Custom Visualisations from AppSource</li></ul> |
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6.	<b>Publishing and Sharing Your Reports</b>
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|  | <ul style="list-style-type: none"><li>• Publishing your report</li><li>• Refreshing your report data</li><li>• Sharing your report</li><li>• Creating 'Dashboards' and 'Apps'</li></ul> |
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7.	<b>Summary and close</b>
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