MICROSOFT POWER BI
ADVANCED

ODYSSEY TRAINING™

An **SGS** Company

The Power BI Advanced course focuses on building your knowledge and understanding of the DAX language including time intelligence, as well as introducing the Power Query M language. Extend your knowledge of available visuals, and learn how to make them more compelling and meaningful by using features such as hierarchies, drill-through and tooltip pages.

1 DAY

Getting Data Organised
- Grouping tables
- Append tables to a query

Advanced Power Query M language
- When to use M and when to use DAX
- Create a date table in Power Query Editor

Advanced data refreshing
- Data refresh
- Gateways
- Installing a gateway
- Adding data sources
- Scheduled refresh using gateway

Time Intelligence Functions
- SAMEPERIODLASTYEAR function
- DATEADD function
- PARALLELPERIOD function
- TOTALYTD and TOTALMTD functions

DAX and filter contexts
- FILTER function
- ALL function
- ALLSELECTED function
- CROSSFILTER function
- DIVIDE function
- Variables in DAX
- Ranking with RANKX
- What-if parameters
- LOOKUPVALUE function

Row level security
- USERNAME function
- LOOKUPVALUE function

Advanced report features
- Creating a hierarchy for a non-date field
- Drill-through
- Report tooltips
- Grouping and binning
- Installing custom visuals

Please note that content and terminology may vary slightly between different software versions. We offer training in all of the latest software versions.

Expected outcomes
- Manage your data model by grouping and appending queries
- Learn how to leverage Power Query M scripts to automate tasks.
- Understand the concept of data gateways to configure scheduled refresh of reports
- Use time intelligence to compare data across months, quarters and years.
- Learn advanced DAX functions to build more complex columns and measures
- Use row-level security to limit the visibility of data in published reports.
- Use advanced report features such as hierarchies, drill-through and tooltip pages

Who should attend

Anyone wanting to build compelling visual reports, who are looking to build on the basic understanding, and learn more about the DAX language to build more complex measures, columns and tables. It will also be good for users who need to pull data in from multiple sources, link and transform to make a clean data model.

Prerequisites

Participants should have high confidence in the topics covered in the Power BI Intermediate course, as this course builds on those foundation topics.

Practical, relevant training developed for the Australian workplace.

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