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course page



An Intensive 5-Day Online Training Course

# Advanced Analytics with Microsoft Tools

Classroom learning service available



## In-house Training

EuroMaTech is capable of conducting this training programme exclusively for your delegates. Please e-mail us on [inhouse@euromatech.ae](mailto:inhouse@euromatech.ae) for further information and/or to receive a comprehensive proposal.

Date	Venue	Fee(\$)
07 - 11 Mar 2021	Live / Online	US\$ 2,400
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## INTRODUCTION

Advanced Analytics include aggregating, analysing, visualizing and sharing data and insights in an interactive format to support effective decision making. Microsoft Power BI is a business intelligence platform that provides non-technical business users with tools for advanced analytics and visualization of business data. This online training course is designed to provide detailed information on how to use Power BI in making good decisions leveraging Microsoft Power BI.

### This online training course includes:

- Connect to data
- Analyse and manipulate that data
- Provide the right perspective
- Enable making informed decisions

## PROGRAMME OBJECTIVES

### On completion of this online training course participants will be able to:

- Use Simple methods to Analyze data with Power BI and gain Insights
- Automate manual reporting processes with Power BI
- Make reports available to stakeholders online



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# COURSE OUTLINE



## Day 1

### Starting with Power BI

- Downloading Power BI Desktop
- Power BI Interface
- Importing Data to Power BI
- Understanding the Power Query User Interface
- Transforming Data with Power Query
- Some Examples and overview of POWER BI

## Day 2

### Data Preparation

- Data Models, Facts and Dimensions Data
- Intro to Transforming Data with Power Query Continued
- M Scripts and Loading Data to Power BI
- Editing Queries and Refreshing Data
- Power Query Transformation
- Introduction to Data Preparation
- Using Append method to combine Excel Worksheets
- Using Workbook Property Method to combine Excel Worksheets
- Comparing Append & Workbook Property Consolidation Methods
- Consolidating Clean Excel Workbooks from a Folder
- Consolidating un-clean Excel Workbooks from a Folder

## Day 3

### Adding and Formatting Charts

- Formatting Power BI Charts
- Adding a new chart to the canvass
- Sorting a Visual
- Filtering a page with Filters Pane and Using Slicers
- Controlling Visual Interactions on the Canvass

## Day 4

### Data Analysis Expressions (DAX)

- Introduction to DAX
- Using CALENDARAUTO() to generate a Calendar Table
- Using FORMAT() Function to add Month, Year and Quarter Columns
- Connecting the Calendar Table to the Fact Table
- Using the MONTH() Function to Create a Custom Sort Column
- Writing simple Aggregation Measure
- Aggregation Measures
- CALCULATE() function
- Creating a shell table to keep Measures
- Writing Time Intelligence Formulas - the PREVIOUSMONTH() Function
- Calculating Month on Month Variance
- Using the REMOVEFILTERS() function and Calculating Percentage share
- Using SAMEPERIODLASTYEAR() to calculate SPLY Values
- Automatic Measures with Quick Measures

## Day 5

### Visualizing Measures

- Customizing the Report Theme
- Creating a Report Page Template
- Visualizing Monthly Revenue vs SPLY on a Line Chart
- Creating a Forecast from a Line Chart
- Visualizing Monthly Variance with a Waterfall Chart
- Creating a Matrix Table report with Data Bars
- Creating a simple Donut Chart
- Visualizing Current & Previous Period with Clustered Bar Chart
- Visualizing Changes in ranking over time with Ribbon Chart

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All Fees are subject to 5% Value Added Tax (VAT).\*

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### Documentation

High Quality material has been prepared by the Seminar Leader for distribution to delegates.

### Certificates

A Certificate of Completion will be issued to those who attend & successfully complete the programme.

### Registration & Payment

Please complete the registration form on this page & return it to us indicating your preferred mode of payment.  
For Further Information, email us at [info@euromatech.ae](mailto:info@euromatech.ae).

### Cancellation Policy

Request for seminar cancellation must be made in writing & received at EuroMaTech three weeks prior to the seminar date. A U.S.\$250/- processing fee will be charged per delegate for each cancellation. Thereafter, we regret that we are unable to refund any fees due, although in such cases we would be happy to welcome a colleague who would substitute for you.

### Disclaimer

EuroMaTech reserves the right to alter the content, location of the Seminar, or the identity of the speakers in case of events beyond our control.

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