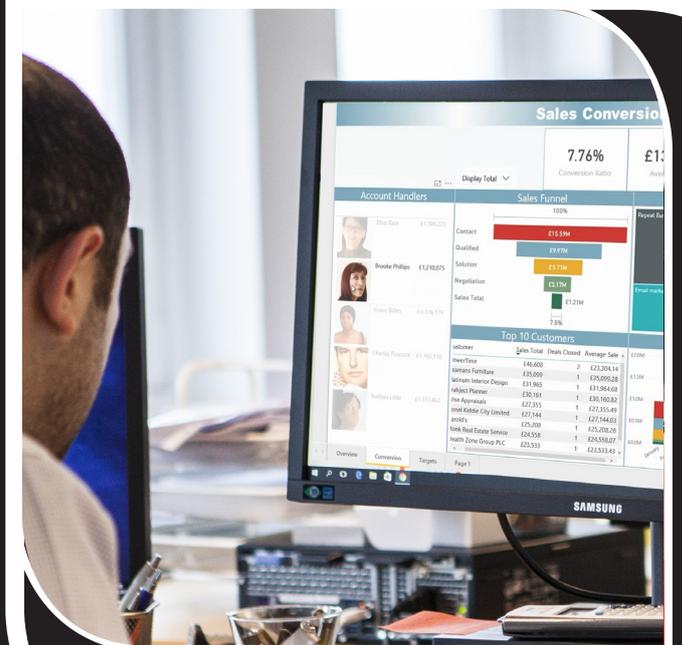




POWER BI 1-WEEK INTENSIVE TRAINING COURSE



SCHEDULED COURSES IN CENTRAL LONDON



Microsoft Power BI

Self-service business intelligence for everyone

Microsoft Power BI is a cloud-hosted, business intelligence platform which makes business intelligence and advanced analytics accessible to everyone. You can create interactive reports and dashboards using a wide range of built-in and third-party visualizations. Your reports can be distributed both internally, using the Power BI service.

Power BI consists of three main components: Power BI Desktop, a free desktop program for data wrangling, modelling and report creation; the Power BI service, which is used for collaboration and for the creation and distribution of reports and dashboards; and Power BI mobile apps for Windows, iOS and Android devices.



Power BI Desktop

Power BI Service

Power BI Mobile Apps

Power BI provides users with a host of analytic and collaboration features; so, inevitably, there are a lot of moving parts. G Com Solutions provide training for beginners and experienced users alike. Our training is hands-on and always provides users with plenty of challenging practical exercise to ensure that they are assimilating the features and techniques being taught.

If you have suitable in-house facilities, we can also deliver Power BI courses on-site all over the United Kingdom. On-site training has the added benefit that it can be customized to suit your specific requirements and can include topics from any course.





Power BI 1-Week Intensive Course (£1,595, plus VAT)



LONDON COURSE DATES

24-28 Jun 19	22-26 Jul 19	19-23 Aug 19	23-27 Sep 19	11-15 Nov 19	9-13 Dec 19
13-17 Jan 20	10-14 Feb 20	16-20 Mar 20	11-15 May 20		

Our Power BI 1 Week Intensive Training Course offers comprehensive coverage of both basic and advanced features of Microsoft Power BI. This course is designed for users who are new to Power BI, but who intend to use the program extensively in their business workflows

You should consider taking this course when your company has recently adopted, or are about to adopt Power BI; and you will be playing a pivotal role in ensuring that your organization derives the greatest possible benefit from self-service business intelligence.

The course consists of three components: Power BI Introduction, Power BI Intermediate and Power BI Advanced.

Power BI Introduction

(2 days)

Our introduction to Power BI will familiarize users with the key features and operations of the Power BI suite. By the end of this course, delegates will be confident in using the three main components of Power BI: Power BI Desktop, the Power BI Service, and Power BI Mobile Apps.

Key Topics Covered

- Getting started
- Connecting to software services
- Getting data into Power BI
- Cleaning up and transforming data
- Data modelling
- Using DAX
- Creating reports
- Creating visualizations
- Publishing content
- Creating Power BI Mobile Content
- Consuming and customizing content
- Refreshing content

Power BI Intermediate

(1 day)

Our intermediate Microsoft Power BI training course delves deeper into the Query Editor and DAX formulas; it discusses Excel and PowerPoint integration; and shows delegates how to use custom visuals to construct interactive data narratives for their audience.

Key Topics Covered

- Parameters and Templates
- Power Query Functions
- DAX Time Intelligence
- What If Parameters
- Excel Integration
- Custom visuals
- Business narration
- PowerPoint integration

Power BI Advanced

(2 days)

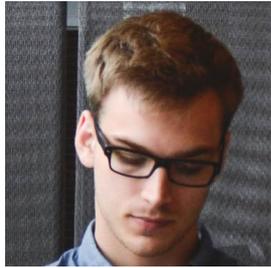
This course provides in-depth coverage of the Power Query M language as well as the use of advanced DAX formulas. Delegates will also learn how to improve the user experience through the use of parameter tables; how to optimize the data model by the strategic use of calculated tables; and how to work with advanced visuals and dashboard tiles.

Key Topics Covered

- The Power Query Formula Language
- Understanding Automatically Generated Code
- Creating custom functions in M
- Iteration Techniques
- Advanced DAX
- Working with calculated tables
- Using parameter tables
- Using ArcGIS Maps for Power BI
- Using R Visualizations and Datasets
- Advanced dashboard tiles



Power BI Introduction (2 days - £750, plus VAT)



LONDON COURSE DATES

24-25 Jun 19	22-23 Jul 19	19-20 Aug 19	23-24 Sep 19	11-12 Nov 19	9-10 Dec 19
13-14 Jan 20	10-11 Feb 20	16-17 Mar 20	11-12 May 20		

Our introduction to Power BI will familiarize users with the key features and operations of the Power BI suite. By the end of this course, delegates will be confident in using the three main components of Power BI: Power BI Desktop, the Power BI Service, and Power BI Mobile Apps.

Getting started

Key components of Power BI; What is Power BI Desktop; Power BI service; Power BI free vs Power BI Pro; Power BI vs Excel add-ins; Dashboards, reports & datasets

Connecting to software services

Understanding content packs for services; Google Analytics content pack; Salesforce content pack; Microsoft Dynamics CRM content pack

Getting data into Power BI

Connecting to data sources in the Power BI service; Connecting to data sources in Power BI Desktop; Importing excel workbooks; Importing Access databases; Connecting to SQL Server

Cleaning up and transforming data

Using the Query Editor; Creating a query; Understanding query steps; Automatically generated steps; Removing query steps; Modifying query steps; Renaming columns; Reordering and removing columns; Changing data types; The close & apply command

Data modelling

Working in data view; Working in relationship view; Auto-detection of table relationships; Creating table relationships manually; Setting cardinality; Cross filter direction

Using DAX

Creating Calculated columns; Creating measures; Understanding row context; Understanding filter context; The SUMX function; The CALCULATE function; The ALL function; The FILTER function; Using time intelligence functions

Creating reports

Working in report view; Creating tables and key metrics; Working with the matrix visual; Filtering data with slicers

Creating visualizations

Creating column and bar charts; Creating line and area charts; Creating scatter charts; Treemap visualizations; Using charts as slicers; Using maps with geographical data; Using custom visuals in your reports

Publishing content

Publishing Power BI Desktop reports; Printing and exporting dashboards and reports; Creating Groups in the Power BI service; Creating content Packs; Assigning groups to content packs; Sharing dashboards with your organization; Publishing reports to the web; Embedding a report in a web page

Creating Power BI Mobile Content

Optimising visuals for small viewports; Creating a phone version of a dashboard; Creating phone-optimised reports

Consuming and customizing content

Browsing group content; Using content packs; Creating read-only versions; Using Quick Insights in Power BI; Creating dashboards from your reports; Querying with natural language; Creating custom Q & A suggestions

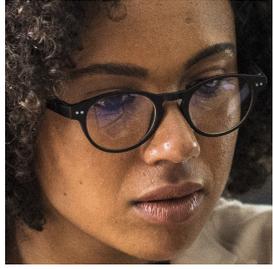
Refreshing content

Setting up a personal gateway; Customizing dataset refresh settings; Scheduling a refresh frequency; Setting up enterprise gateways; Managing enterprise gateways; Adding and removing data sources, Creating live connections to data



Power BI Intermediate

(1 day - £375, plus VAT)



LONDON COURSE DATES

26 Jun 19	24 Jul 19	21 Aug 19	25 Sep 19	13 Nov 19	11 Dec 19
15 Jan 20	12 Feb 20	18 Mar 20	13 May 20		

This one day intermediate level course is designed for users who are already familiar with Power BI and are looking to broaden their horizons when it comes to designing reports and dashboards.

The course delves deeper into the Query Editor and the DAX language; it discusses Excel and PowerPoint integration; and shows delegates how to use bookmarks and custom visuals to construct interactive data narratives for their audience.

Parameters and Templates

Benefits of parameters and templates; Creating parameters; Parameter value types; Parameterizing data sources; parameterizing filters; Creating a template; Using a template

Power Query Functions

Converting a query to a function; Understanding function syntax; Invoking a function

DAX Time Intelligence

Calendar tables; Power BI Auto Date/Time feature; The TOTALYTD function; Specifying end of fiscal year;

Calculating running totals; the SAMEPERIODLASTYEAR function; the PARALLELPERIOD function; Using the DATEADD function for maximum flexibility

What If Parameters

Creating a what-if parameter; Specifying limits; Referencing the parameter measure; Incorporating parameter values in your model

Excel Integration

Analyze in Excel; Installing Power BI Publisher for Excel; Creating pivot table reports from Power BI data sources; The importance of data types; Error – The field that you are moving cannot be placed in that PivotTable area; Pinning Excel content to a Power BI dashboard

Custom visuals

Overview of custom visuals; Chiclet Slicer; Timeline; Advanced Time Slicer; Hierarchy Slicer; Synoptic Panel; Waffle Chart; Percentile Chart; Box and Whisker; Histogram; Bullet Chart; KPI Indicator; GlobeMap; Table Heatmap; WordCloud

Business narration

Planning narratives; Self-running narratives; Interactive narratives; Using the Pulse chart visual; Using the Scroller visual; Using Narratives for Power BI; Using video clips in your visuals

PowerPoint integration

Constructing a narrative in PowerPoint, Using export to PowerPoint, Embedding live reports into a PowerPoint presentation



Power BI Advanced (2 days - £750, plus VAT)



LONDON COURSE DATES

27-28 Jun 19	25-26 Jul 19	24-23 Aug 19	26-27 Sep 19	14-15 Nov 19	12-13 Dec 19
16-17 Jan 20	13-14 Feb 20	19-20 Mar 20	14-15 May 20		

This Power BI Advanced training course is aimed at experienced Power BI users. The course delves into the M language behind the Query Editor, as well as the use of advanced DAX formulas. Delegates will also learn how to improve the user experience through the use parameter tables; how to customise the data model by including calculated tables; and how to work with advanced visuals and dashboard tiles.

The Power Query Formula Language

Using The Formula Bar; Using The Advanced Editor; Overview Of The M Language; Exploring M using #shared

Understanding Automatically Generated Code

Excel.Workbook; File.Contents; Table.

TransformColumns; Table.TransformColumnTypes;

Table.UnpivotColumns; Table.UnpivotOtherColumns

Creating custom functions in M

Defining a function; Defining input parameters; The goes-to operator; Defining the function body; Using optional parameters; Calling functions

Iteration Techniques

Benefit of generating lists; Generating lists of numbers; Generating lists of dates; Generating alphanumeric lists; Using the each function; Applying a function to a list of files

Advanced DAX

Using DAX Studio, Writing complex formulas, Using variables, Calculating moving averages, Calculating running totals, Percentile calculations, Creating advanced time intelligence formulas, Using multiple date tables, Working with non-standard calendars

Working with calculated tables

Creating calculated tables, DAX functions that return tables, The CALCULATETABLE function, The ADDCOLUMNS function, The SUMMARIZE function, SUMMARIZE with ROLLUP, VALUES and DISTINCT functions, The CROSSJOIN function, The TOPN function, The ROW function, Using calculated tables within the data model

Using parameter tables

What is a parameter table, When to use parameter tables, Using the HASONEVALUE function, Using the VALUES function, Creating custom slicers, Creating multiple parameter table solutions

Using ArcGIS Maps for Power BI

Overview of ArgGIS maps integration, Selecting a base map, Creating heat maps, Adding demographic layers, Searching for layers on ArgGIS online

Using R Visualizations and Datasets

Overview of R integration, Configuring R Script Options, Using the R Script editor, Creating correlation plots, Creating predictive plots, Interacting with Power BI visuals

Advanced dashboard tiles

Adding custom links to a dashboard, Using the web content widget, Using the video widget, Real-time streaming dashboard tiles

Booking a Course

If you wish to make a telephone booking, or if you would like to ask a few questions before booking, you can call us free on 0800 989 248.

To check the latest course dates and availability of places, visit our web site: <http://www.gcomsolutions.co.uk>. Here you will find the most up to date information regarding course dates. (In addition to the courses listed in this booklet, we may also run extra courses in response to high demand.)

The fastest method of securing a place on one of our courses is to book on line and pay by credit card. A confirmation with joining instructions will then be sent out to you.

When you book online you can opt to pay by cheque or bank transfer—in which case we will email you a booking form and pro forma invoice. To secure your place, you will need to sign the booking form and return it to us with your payment.

Naturally, you can also simply email us with details of the course(s) in which you are interested, and the names of your delegates, at admin@gcomsolutions.co.uk.

Bulk Purchase

G Com Solutions season tickets enable you to pre-purchase places on our public scheduled training courses at discounted rates and are valid for one year from date of purchase. For your convenience, season tickets are sold by number of training days, rather than by number of courses. The more training days you purchase, the higher the discount. You can book any number of people on any number of courses, as long as there are training days still available on your season ticket.

Each time you book a course, you will be sent a statement showing how many training days you have used, how many you have left and how long you have to use them.

Cost of Season Tickets

The cost of season tickets is as follows:

ST05: 5 day season ticket	£1,595 (10% discount)
ST010: 10 day season ticket	£3,185 (15% discount)
ST025: 25 day season ticket	£7,500 (20% discount)
ST050: 50 day season ticket	£13,500 (28% discount)
ST100: 100 day season ticket	£22,500 (40% discount)



If you work for a large organisation and are about to book a course, it may be worth consulting your human resources department to see if colleagues in other departments may be interested in any of our courses. If so, why not pool your resources, buy a season ticket and stretch your training budget a bit further.

Season tickets are also useful in “spend it or lose it” scenarios where you need to use a training budget in a given period.

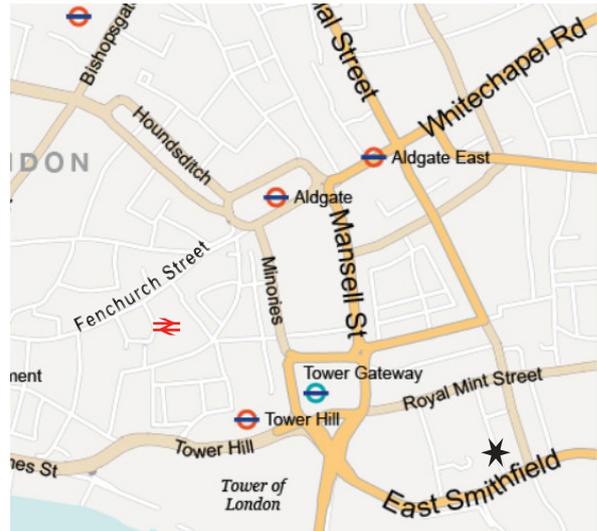
You can purchase season tickets on line, at www.gcomsolutions.co.uk. Or, if you would like more information, please call us on 0800 998 9248.

Where to Find Us

Our courses are run in central London, close to Tower Hill, Fenchurch Street and Aldgate East stations.

★ The address is:

Tower Bridge Business Centre
46-48 East Smithfield
London
E1W 1AW



Hotel Accommodation

Here is a list of hotels in the vicinity of our training centre.

Leonardo Royal Hotel London Tower Bridge
Luxury 5-star hotel with restaurant, swimming pool and spa

45 Prescott St
London E1 8GP

Tel: +4420 7959 5000

<https://www.leonardohotels.co.uk/hotels>

DoubleTree by Hilton Hotel Tower of London

4 star hotel with restaurant, bar and 24-hour fitness centre

7 Pepys Street
London EC3N 4AF

Tel: +44207 709 1000

<https://www.doubletree3.hilton.com>

Clayton Hotel City of London

4 star hotel with restaurant and 24-hour fitness centre

10 New Drum Street
London E1 7AT

Tel: +4420 3687 2777

<https://www.claytonhotelcityoflondon.com>

The Chamberlain Hotel

Edwardian hotel with pub and restaurant

132-135 Minories
London EC3N 1NU

020 7680 1500

<https://www.thechamberlainhotel.co.uk>

Apex City of London Hotel

Modern 4 star hotel with restaurant, 24-hour gym and spa

1 Seething Lane
London, EC3N 4AX

Tel: +4420 7702 2020

<https://www.apexhotels.co.uk/>

Premier Inn London City Tower Hill

Modern 3 star hotel with restaurant and free wifi

22-24 Prescott Street

London
E1 8BB

Tel: +44333 003 0025

<https://www.premierinn.com/gb/en/hotels/>

Travelodge London Central Tower Bridge

Modern 3 star hotel with restaurant

Lloyds Court Business Centre
1 Goodman's Yard
London E1 8AT

Tel: +44871 984 8484

G Com Solutions Ltd

**Tower Bridge Business Centre
46-48 East Smithfield
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