

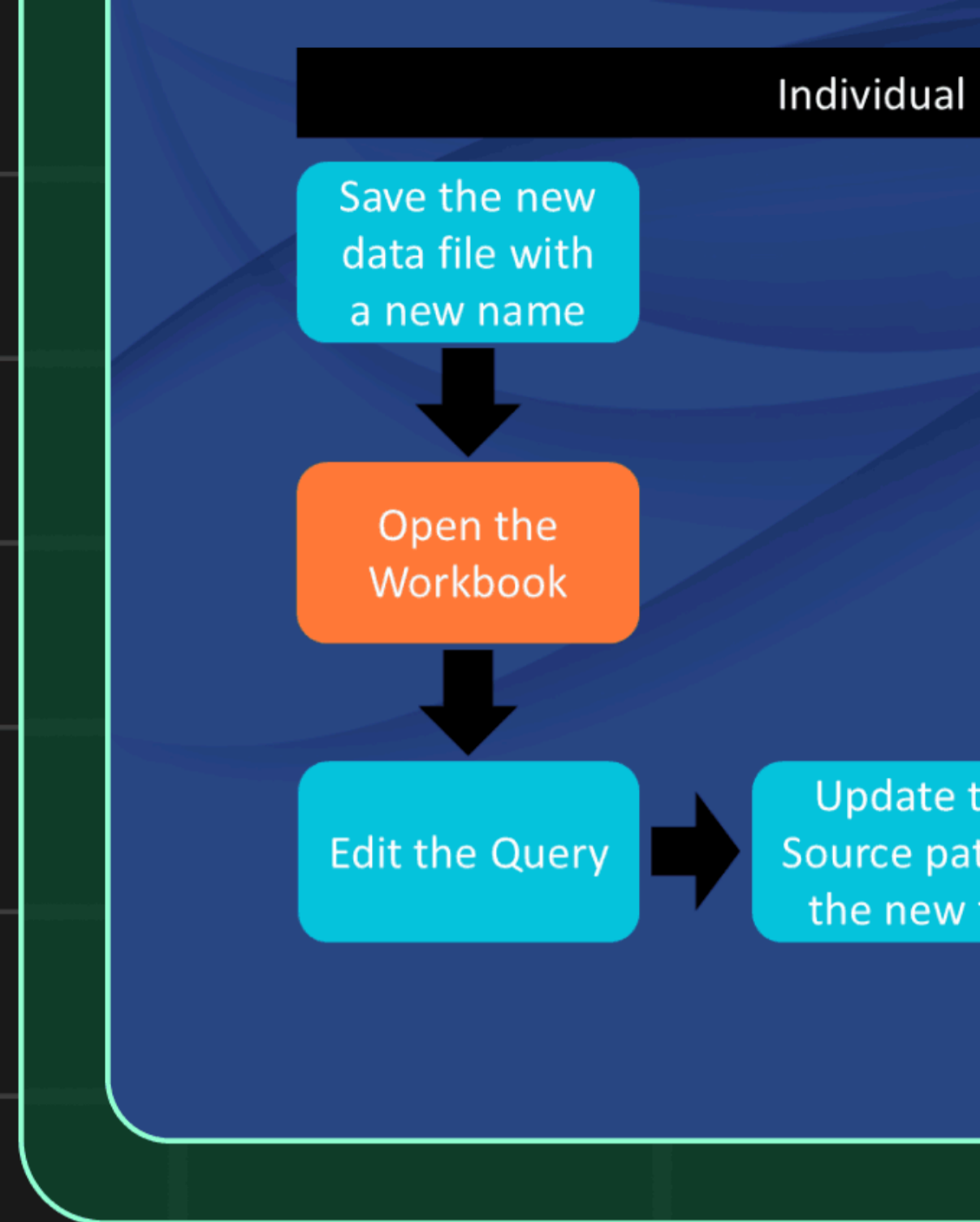
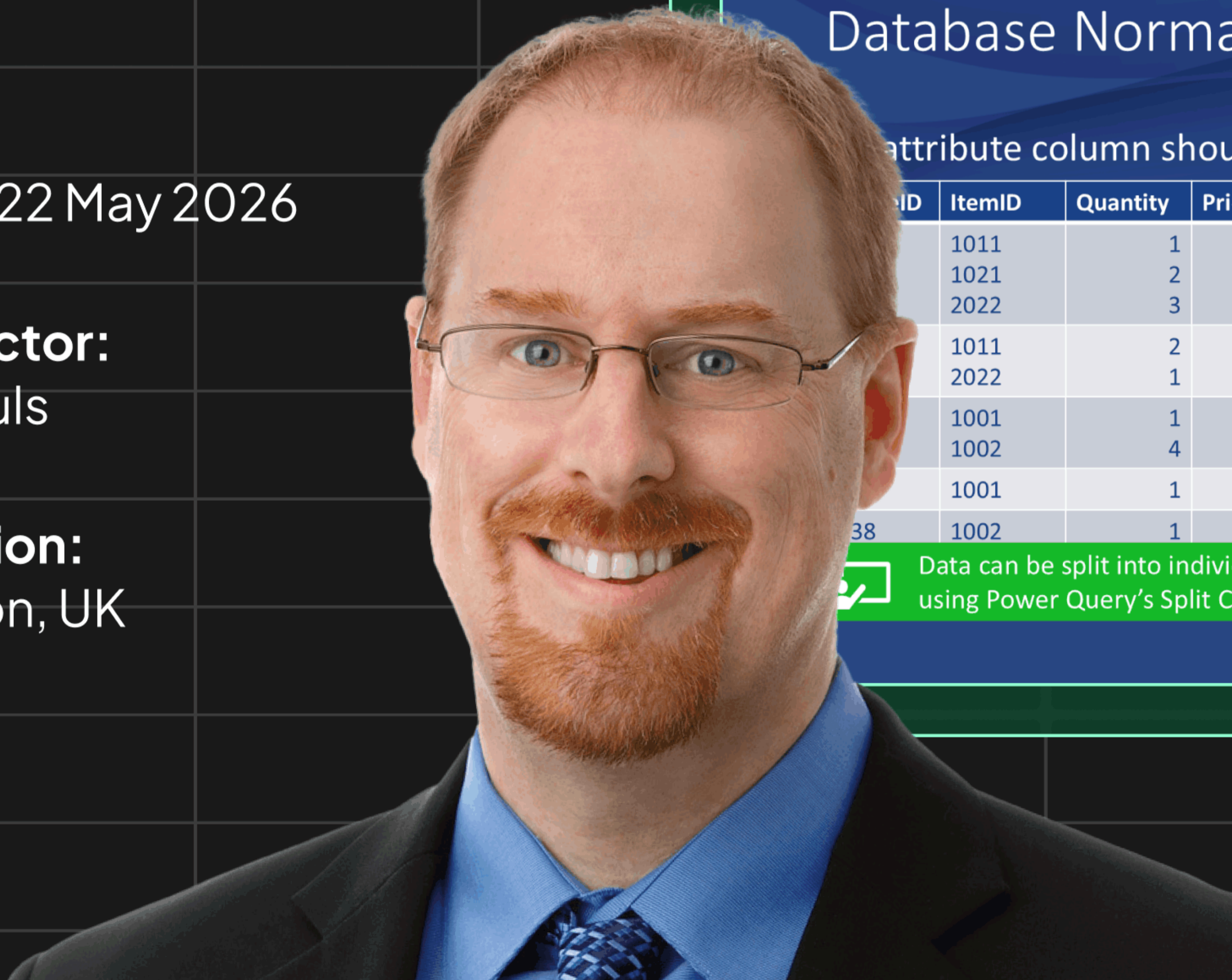


Self Service Business Intelligence (BI) Boot Camp

Date:
18, 21, 22 May 2026

Instructor:
Ken Puls

Location:
London, UK



Database Normalization

attribute column should

ID	ItemID	Quantity	Pri
1011	1021	1	
1021	1022	2	
2022	1022	3	
1011	1022	2	
2022	1001	1	
1001	1002	1	
1002	1002	4	
1001	1001	1	
38	1002	1	

Data can be split into individual... using Power Query's Split C...

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Course overview

Prepare to change your company's reporting game forever, as 18x Microsoft MVP Ken Puls joins us in London, UK for a 3-day exclusive Self-Service BI boot camp on 18, 21 and 22 May 2026.

We know that data is not usually stored in nicely curated databases. And often - even when it is - the data analyst doesn't have access to it. Instead, we must piece together data provided in text files, Excel files, web pages, and even the body of emails to build the business intelligence solutions we need. Until now this has been a painful process. That stops with this workshop!

The Self-Service BI Boot Camp begins with a deep exploration of Power Query. Built into Excel and Power BI, you'll learn to use it for cleaning, reshaping, and combining data with ease. Converting ASCII files into tables, combining multiple text files in one shot, and even un-pivoting data is not only simple, but an investment in the future, as you step closer to creating dynamic business intelligence models that are refreshable with a single click.

Next, you'll dive into Dimensional Modelling, which is based on the Power Pivot Data model and used to design and link parent tables correctly. You'll learn key Power Query patterns to solve common table relationship challenges.

Finally, get stuck into DAX, a powerful formula language for creating advanced measures, as well as calendar intelligence for year-end reporting.

Throughout this 3-day workshop, you'll be working with both Excel and Power BI. Why? Because the tools and concepts you'll be learning work in both places. So how do you know which one is right for the job?

Course overview

Learning outcomes

- ✓ Excel Pivot tables
- ✓ Importing Data with Power Query
- ✓ Creating Table relationships with the Data Model
- ✓ Dimensional Modeling
- ✓ Introduction to basic and intermediate DAX formulas
- ✓ Calendar Tables and intelligent measures
- ✓ Dashboarding with Power BI
- ✓ Excel vs Power BI use cases

Time Commitment

This course is a hands-on course and runs over 3 days. Each day will run approximately 7 hours in length, depending on the class size and attendees' experience in working with the tools.

We want one PivotTable!

Transactions			
Date	Account	Dept	Amount
2020-01-31	61510	150	642.62
2020-01-31	61520	150	1,359.62
2020-01-31	61530	150	261.73
2020-01-31	61540	150	7.16
2020-01-31	61550	150	1,185.46
2020-01-31	61510	155	1,901.98
2020-02-29	61510	150	2,957.41
2020-02-29	61520	150	6,210.83

Chart of Accounts		
Account	Dept	Category
61510	150	Liquor
61520	150	Wine
61530	150	Beer
61540	150	Cider
61550	150	Beer
61560	150	Beer
61510	155	Non-Alc

Budgets		
Date	Category	Amount
2020-01-31	Beer	226.22
2020-01-31	Beer	1,657.65
2020-01-31	Cider	10.55
2020-01-31	Liquor	473.05
2020-01-31	Liquor	2,169.08
2020-01-31	Wine	1,707.26
2020-02-29	Wine	20.16
2020-02-29	Beer	984.34

What we want...		
Date	2020	
Jan 2020	MONTHS	
2020		
JAN	FEB	MAR
APR	MAY	JUN
[Calendar navigation]		
Categories	Actual	Budget
Beer	1,447.19	1,888.87
Cider	7.16	10.55
Liquor	642.62	2,642.13
Wine	1,359.62	1,707.26
Non-Alc	1,901.98	0.00
Total	5,358.57	6,243.81

Every column of every table has repeating values!
The dates are at different levels of granularity



This is the "un-vlookupable" problem!

Who is this course for?

This Booth Camp is for anyone who needs to build reports based on data. Experience working with Excel PivotTables is highly encouraged. Experience with Power BI is optional.



Business Intelligence or Analytics professionals



Managers aiming to improve their reporting systems



Anyone who needs to **build reports based on data**



Every day Power BI users

No attribute column should hold multiple values (data is atomic)

Course contents

InvoiceID	ItemID	Quantity	Price
		1	9.95
		1	10.95
		1	7.95
	2022	1	9.95
		1	7.95
1236	1001	1	14.95

Data in First Normal Form			
InvoiceID	ItemID	Quantity	Price
1234	1011	1	9.95
1234	1021	2	10.95
1234	2022	3	7.95
1235	1011	2	9.95

Part 1: Master Your Data

Excel Pivot Table Review

- Pivot Compliant Data Sources
- Building Basic Pivot Tables
- Pivot Tricks Everyone Should Know

Importing Data with Power Query

- Individual CSV, text and Excel files
- Cleaning and manipulating data
- Refreshing imports
- Append data from multiple tables
- Appending a folder full of files

Part 2: Building BI

Getting Started with the Data Model

- Why do we need the Data Model?
- Creating table relationships
- Using the Data Model in Excel
- Filtering methods
- Sorting based on other columns

Introduction to Dimensional modelling

- Facts vs Dimensions
- Designing Fact and Dimension tables
- Supported Join Types
- Creating one to many dimensions

Merging Tables

- 7 ways to merge data
- Cartesian Products
- Approximate Matches

Data Transformation Recipes

- Recipes for unpivoting data
- Recipes for pivoting data
- Recipes for grouping data

Conditional Logic

- Basic conditional columns
- Advanced conditional logic
- Creating columns from example

- Creating composite key joins

Laying a Dynamic Groundwork

- Power Query custom functions
- Using Parameter tables
- Building a dynamic model

Introduction to DAX formulas

- Creating basic DAX measures
- Understanding DAX calculation
- Understanding Filter Context

Model Development Tips

- Design best practices
- Impact of Query Folding

No attribute column should hold multiple values (data is atomic)

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Part 3: DAX & Time Intelligence

Calendar Tables

- Importance of Calendar dimensions
- Creating Calendars tables on the fly
- Power Query date functions

Intermediate DAX

- The magic of CALCULATE()
- Understanding how CALCULATE works
- Removing filters with ALL()
- Conditional logic in DAX

Calendar Intelligent Measures

- Understanding DAX date functions
- Exploring the Golden Date Pattern
- Applying the Golden Date Pattern
- Creating calendar-safe date patterns

Dashboarding with Power BI

- Creating reports in Power BI
- Exploring Power BI visuals
- Publishing to the Power BI service
- Sharing in the Power BI service

Excel and Power BI: Better Together

- Which tool do you use and when?
- Porting Excel models to Power BI
- Analyzing Power BI models with Excel



Training requirements

You must bring a laptop with both of the following installed:

- Excel 2016 or higher (**Office 365 recommended**)
- **Power BI Desktop** version 2.119.x (July 2023) or higher

Why choose this course?

What's included

- ✓ Three days in-person training with Excel Guru Ken Puls
- ✓ All working files
- ✓ Lunch, coffee, tea and biscuits throughout the day
- ✓ Claim up to 21 hours of CPD hours / points
- ✓ One year of access to the online version of the Self Service BI Academy
- ✓ Access to semi-monthly "Ask Ken Anything" sessions
- ✓ A free Monkey Tools Pro License and a free digital copy of Ken's Master Your Data e-book
- ✓ Certificate of attendance
- ✓ 100% money-back guarantee



I've highly recommended it to others already.

This course is a complete end-to-end exploration of Power BI, including data modeling, reporting, integrating with Excel, improving performance, and building usable reports and dashboards. Very thorough while remaining approachable for new users. I've highly recommended it to others already.

Ken Muse



This course completely transformed the way I use the software!

It has improved my efficiency, enabled me to solve problems that I didn't know was possible, and opened doors for my career. Overall, I highly recommend this course. Thank you Ken Puls!

Stephen Ng

About your trainer



Ken Puls

President and Chief Training Officer at Excelguru Consulting Inc.



Ken Puls is a world-renowned business intelligence expert, author, blogger, and trainer. Before stepping into Excelguru Consulting Inc. full time in May 2015, Ken spent over twenty years working in public practice accounting and industry as both Controller and an IT Director.



Ken has led the installation of over a dozen systems conversions and implementations of various types, and been exposed to a vast amount of business systems, including point-of-sale systems, databases, and analysis tools, some of which he wrote from scratch.



He has also been recognized as a fellow of the Certified Management Accountants of Canada (FCMA) by his peers – an honor held by less than 5% of CMA's, as well as awarded the status of Distinguished Alumni by Kwantlen Polytechnic University.

Course pricing

This 3-day course will be delivered in-person in central London, UK on 18, 21 and 22 May 2026. It is available as a single 3-day Boot Camp or as part of our [Premium Boot Camp Global Excel Summit ticket](#).

N/A

Early bird price
ends 17 March 2026

£ 1350

Regular price
18 March - 17 May 2026

£ 1147

Save additional 15%

Team of 3 discounts

Pay by invoice

To pay by invoice, please contact Tea Kuseva at tea@globalexcelsummit.com. We will send you an invoice which you can submit to your accounts payable system."

Global Excel Summit



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