

---

# Dax Patterns 2015

---

Microsoft® Excel 2016  
Super Charge Power BI  
Tabular Modeling in Microsoft SQL Server Analysis Services  
Maximizing the Value of Player Data  
Fundamentals of Actuarial Mathematics  
Business Model Generation  
Discover the intricacies of this powerful query language to gain valuable insights from your data  
The Lives Of Dax  
Power Query for Power BI and Excel  
M Is for (Data) Monkey  
Introducing Microsoft Power BI  
A Destined Novel  
Building Data Models with PowerPivot  
Ash  
Microsoft PowerPivot for Excel 2010  
Give Your Data Meaning  
Analyzing Data with Power BI and Power Pivot for Excel  
DAX Patterns: Second Edition  
Microsoft SQL Server 2012 Integration Services  
Predictive Analytics  
Learn Power Query  
Sharing, Security, and Deployment Options for Microsoft Power BI Solutions  
Microsoft Power Bi Cookbook  
The BISM Tabular Model  
Time Series Analysis: Forecasting & Control, 3/E

Collect, Combine, and Transform Data Using  
Power Query in Excel and Power BI  
From Theory to Algorithms  
Business Intelligence with PowerPivot and SQL  
Server Analysis Services Tabular  
Patterns and Techniques for Excel  
Pro Power BI Architecture  
PowerPivot Alchemy  
Statistics and Data Analysis for Financial  
Engineering  
Microsoft SQL Server 2012 Analysis Services  
with R examples  
Pro DAX with Power BI  
Business intelligence with Microsoft Excel, SQL  
Server Analysis Services, and Power BI  
Clinical Management of Male Infertility  
A Handbook for Visionaries, Game Changers, and  
Challengers  
A Low-Code Approach to Connect and Transform  
Data from Multiple Sources for Power BI and Excel

*Dax Patterns* Downloaded from  
[ecobankpayservices.ecobank.com](http://ecobankpayservices.ecobank.com)  
2015 by guest

---

**MARSHALL  
MCKENZIE**

---

Microsoft® Excel 2016  
Microsoft Press  
Over 100 expert  
recipes to design,  
create, and deploy  
SSIS packages with this

book and ebook.  
Super Charge Power BI  
Apress  
Any data analytics  
solution requires data  
population and  
preparation. With the  
rise of data analytics  
solutions these years,  
the need for this data  
preparation becomes

even more essential. Power BI is a helpful data analytics tool that is used worldwide by many users. As a Power BI (or Microsoft BI) developer, it is essential to learn how to prepare the data in the right shape and format needed. You need to learn how to clean the data and build it in the structure that can be modeled easily and used high performant for visualization. Data preparation and transformation is the backend work. If you consider building a BI system as going to a restaurant and ordering food. The visualization is the food you see on the table nicely presented. The quality, the taste, and everything else comes from the hard work in the kitchen. The part

that you don't see or the backend in the world of Power BI is Power Query. You may be already familiar with some other data preparation and data transformation technologies, such as T-SQL, SSIS, Azure Data Factory, Informatica, etc. Power Query is a data transformation engine capable of preparing the data in the format you need. The good news is that to learn Power Query; you don't need to know programming. Power Query is for citizen data engineers. However, this doesn't mean that Power Query is not capable of performing advanced transformation. Unfortunately, because Power Query and data preparation is the kitchen work of the BI

system, many Power BI users skip the learning of it and become aware of it somewhere along their BI project. Once they get familiar with it, they realize there are tons of things they could have implemented easier, faster, and in a much more maintainable way using Power Query. In other words, they learn mastering Power Query is the key skill toward mastering Power BI. We have been working with Power Query since the very early release of that in 2013, named Data Explorer, and wrote blog articles and published videos about it. The number of articles we published under this subject easily exceeds hundreds. Through those articles, some of the fundamentals and key learnings of Power

Query are explained. We thought it is good to compile some of them in a book. A good analytics solution combines a good data model, good data preparation, and good analytics and calculations. Reza has written another book about the Basics of modeling in Power BI and a book on Power BI DAX Simplified. This book is covering the data preparation and transformations aspects of it. This book is for you if you are building a Power BI solution. Even if you are just visualizing the data, preparation and transformations are an essential part of analytics. You do need to have the cleaned and prepared data ready before visualizing it. This book is compiled into a

series of two books, which will be followed by a third book later; Getting started with Power Query in Power BI and Excel (this book) Mastering Power Query in Power BI and Excel (already available to be purchased separately) Power Query dataflows (will be published later) Although this book is written for Power BI and all the examples are presented using the Power BI. However, the examples can be easily applied to Excel, Dataflows, and other tools and services using Power Query. [Tabular Modeling in Microsoft SQL Server Analysis Services](#) Apress Attention all SQL Pros, DAX is not just for writing Excel-based formulas! Get hands-on learning and expert advice on how to use

the vast capabilities of the DAX language to solve common data modeling challenges. Beginning DAX with Power BI teaches key concepts such as mapping techniques from SQL to DAX, filtering, grouping, joining, pivoting, and using temporary tables, all aimed at the SQL professional. Join author Philip Seamark as he guides you on a journey through typical business data transformation scenarios and challenges, and teaches you, step-by-step, how to resolve challenges using DAX. Tips, tricks, and shortcuts are included and explained, along with examples of the SQL equivalent, in order to accelerate learning. Examples in the book range from

beginner to advanced, with plenty of detailed explanation when walking through each scenario. What You'll Learn Turbocharge your Power BI model by adding advanced DAX programming techniques Know when to use calculated measures versus calculated columns Generate new tables on the fly from existing data Optimize, monitor, and tune Power BI to improve performance of your models Discover new ideas, tricks, and time-saving techniques for better models Who This Book Is For Business intelligence developers, business analysts, or any SQL user who wants to use Power BI as a reporting tool. A solid understanding of SQL is recommended, as

examples throughout the book include the DAX equivalents to SQL problem/solution scenarios.

Maximizing the Value of Player Data John

Wiley & Sons

Excel 2016 In Depth

Full Color: Figures and

code appear as they do

in Excel 2016 Beyond

the Basics...Beneath

the Surface...In Depth

Do more in less time!

Experienced with

Excel? Don't let Excel

2016 make you feel

like a beginner again!

This new full-color

edition of the

bestselling book has

been completely

overhauled. Gone is

unnecessary and rarely

used content;

emphasis is on the

most-used and new

aspects of Excel 2016.

The result is a focused

book where every topic

is relevant and worth

learning. Excel 2016 In Depth is the fastest, smartest way to master Excel 2016's full power and updated interface. You'll discover how to leverage Excel's new tools for charting, business analysis, data visualization, forecasting, and more.

- Quickly clean your data with Excel 2016's powerful Get & Transform tools
- Discover Excel 2016's newest charts: waterfall, histogram, Pareto, sunburst, TreeMap, and Box and Whisker
- Use Forecast Sheets to forecast the future, including seasonal adjustments
- Pivot data on maps with 3D Maps, and animate your maps over time
- Create formulas, charts, subtotals, and pivot tables faster than ever

- Create amazing PowerPivot data mashups that integrate information from anywhere
- Automate repetitive functions using Excel macros
- Solve real-world business intelligence analysis problems
- Use PowerPivot Data Model to create pivot tables from multiple data sets without VLOOKUP
- Share workbooks on the Web and social networks
- Leverage Excel to create highly interactive web pages and online surveys
- Quickly apply attractive, consistent formats

This book is part of Que's Content Update Program. As Microsoft updates features of Excel, sections of this book will be updated or new sections will be added to match the updates

to the software. See inside for details.

Fundamentals of Actuarial Mathematics  
 Microsoft Press

Three hundred fifty-seven years, nine lives, one soul—all are Drax. Mother, father, engineer, ambassador, scientist, statesman, serial killer, Starfleet officer: At one time or another, Drax has been all of these things and more. The near-immortal part of a composite species known as the Trill, Drax is a sentient, wormlike symbiont joined body and mind to a succession of humanoid hosts, carrying the memories of each lifetime into the next. Each incarnation is different. Each has its own personality, its own triumphs, its own tragedies, its own

dreams—and each one is Drax. Here for the first time are tales from the lives of one of the most unique and compelling Star Trek characters ever created, told by voices as diverse as the hosts themselves: Steven Barnes, Michael Jan Friedman, L. A. Graf, Jeffrey Long, S. D. Perry, Judith and Garfield Reeves-Stevens, Kristine Kathryn Rusch, Robert Simpson, and Susan Wright. Much more than an anthology, this unique collection of stories weaves the tapestry of one being's life...through three and a half centuries of history in the Star Trek universe. Imagine who she's known. Imagine what he's seen.

**Business Model Generation** SQLBI Corp.



Renowned DAX experts Alberto Ferrari and Marco Russo teach you how to design data models for maximum efficiency and effectiveness. How can you use Excel and Power BI to gain real insights into your information? As you examine your data, how do you write a formula that provides the numbers you need? The answers to both of these questions lie with the data model. This book introduces the basic techniques for shaping data models in Excel and Power BI. It's meant for readers who are new to data modeling as well as for experienced data modelers looking for tips from the experts. If you want to use Power BI or Excel to analyze data, the many real-world examples in this

book will help you look at your reports in a different way—like experienced data modelers do. As you'll soon see, with the right data model, the correct answer is always a simple one! By reading this book, you will:

- Gain an understanding of the basics of data modeling, including tables, relationships, and keys
- Familiarize yourself with star schemas, snowflakes, and common modeling techniques
- Learn the importance of granularity
- Discover how to use multiple fact tables, like sales and purchases, in a complex data model
- Manage calendar-related calculations by using date tables
- Track historical attributes, like previous addresses of customers or manager

assignments • Use snapshots to compute quantity on hand • Work with multiple currencies in the most efficient way • Analyze events that have durations, including overlapping durations • Learn what data model you need to answer your specific business questions

About This Book • For Excel and Power BI users who want to exploit the full power of their favorite tools • For BI professionals seeking new ideas for modeling data

**Discover the intricacies of this powerful query language to gain valuable insights from your data**

Springer

This book provides andrologists and other practitioners with reliable, up-to-date

information on all aspects of male infertility and is designed to assist in the clinical management of patients. Clear guidance is offered on classification of infertility, sperm analysis interpretation and diagnosis. The full range of types and causes of male infertility are then discussed in depth. Particular attention is devoted to poorly understood conditions such as unexplained couple infertility and idiopathic male infertility, but the roles of diverse disorders, health and lifestyle factors and environmental pollution are also fully explored. Research considered stimulating for the reader is highlighted, reflecting

the fascinating and controversial nature of the field. International treatment guidelines are presented and the role of diet and dietary supplements is discussed in view of their increasing importance. Clinicians will find that the book's straightforward approach ensures that it can be easily and rapidly consulted.

The Lives Of Dax

Pearson Education  
India

TLC's Counting On breakout stars Jeremy and Jinger Vuolo share their love story, a behind-the-scenes glimpse into their lives together, and the hope that drives them every day. Jinger Vuolo did not have what you'd call a typical childhood. The sixth child of Jim Bob and Michelle Duggar's nineteen, she

grew up with the bright lights of television crews in her home, filming the hit TLC show 19 Kids and Counting. Jinger has always been a fan favorite, and now she and her husband Jeremy are the breakout stars of the show's sequel, Counting On. In *The Hope We Hold*, Jeremy and Jinger Vuolo share the highs and lows of their love story. They open up about the early days of getting to know one another, their long-distance relationship, and the many sleepless nights of their time as new parents. But throughout all their stories, just below the surface, weaving together every triumph and trial of their lives, is the silver thread of hope. Though they

don't pretend to have all the answers, they can promise that there is hope in Christ for every person in every walk of life. There is an inheritance of glory, a life richer than we can imagine, if we only walk with Him.

### **Power Query for Power BI and Excel**

Tickling Keys, Inc.  
 Discover how you can combine data from various sources to create data models to suit your business requirements with the help of this clear and concise guide Key Features Understand how Power Query overcomes the shortcomings of Excel Power Pivot in handling complex data Create customized dashboards and multi-dimensional reports using Power Query and Power BI Learn the Power Query

M language and write advanced queries using custom functions Book Description Power Query is a data connection technology that allows you to connect, combine, and refine data from multiple sources to meet your business analysis requirements. With this Power Query book, you'll be empowered to work with a variety of data sources to create interactive reports and dashboards using Excel and Power BI. You'll start by learning how to access Power Query across different versions of Excel and install the Power BI engine. After you've explored Power Pivot, you'll see why Excel users find it challenging to clean data in Power Pivot and learn how Power Query

can help to tackle the problem. The book will show you how to transform data using the Query Editor and write functions in Power Query. A dedicated section will focus on functions such as IF, Index, and Modulo, and creating parameters to alter query paths in a table. You'll also work with dashboards, get to grips with multi-dimensional reporting, and create automated reports. As you advance, you'll cover the M formula language in Power Query, delve into the basic M syntax, and write the M query language with the help of examples such as loading all library functions offline in Excel and Power BI. Finally, the book will demonstrate the

difference between M and DAX and show how results are produced in M. By the end of this book, you'll be ready to create impressive dashboards and multi-dimensional reports in Power Query and turn data into valuable insights. What you will learn Convert worksheet data into a table format ready for query output Create a dynamic connection between an Access database and Excel workbook Reshape tabular data by altering rows, columns, and tables using various Power Query tools Create new columns automatically from filenames and sheet tabs, along with multiple Excel data files Streamline and automate reports from multiple sources Explore different

customization options to get the most out of your dashboards

Understand the difference between the DAX language and Power Query's M language

Who this book is for This Power Query book is for business analysts, data analysts, BI professionals, and Excel users looking to take their skills to the next level by learning how to collect, combine, and transform data into insights using Power Query.

Working knowledge of Excel and experience in constructing and troubleshooting Excel formulas and functions is expected.

*M Is for (Data) Monkey*

Simon and Schuster

This book provides a comprehensive introduction to

actuarial mathematics, covering both deterministic and stochastic models of life contingencies, as well as more advanced topics such as risk theory, credibility theory and multi-state models. This new edition includes additional material on credibility theory, continuous time multi-state models, more complex types of contingent insurances, flexible contracts such as universal life, the risk measures VaR and TVaR.

Key Features:

- Covers much of the syllabus material on the modeling examinations of the Society of Actuaries, Canadian Institute of Actuaries and the Casualty Actuarial Society. (SOA-CIA exams MLC and C, CSA exams 3L and 4.)

Extensively revised and updated with new material. Orders the topics specifically to facilitate learning. Provides a streamlined approach to actuarial notation. Employs modern computational methods. Contains a variety of exercises, both computational and theoretical, together with answers, enabling use for self-study. An ideal text for students planning for a professional career as actuaries, providing a solid preparation for the modeling examinations of the major North American actuarial associations. Furthermore, this book is highly suitable reference for those wanting a sound introduction to the subject, and for those working in insurance, annuities and pensions.

**Introducing  
Microsoft Power BI**  
Cambridge University  
Press

A limit order book is essentially a file on a computer that contains all orders sent to the market, along with their characteristics such as the sign of the order, price, quantity and a timestamp. The majority of organized electronic markets rely on limit order books to store the list of interests of market participants on their central computer. A limit order book contains all the information available on a specific market and it reflects the way the market moves under the influence of its participants. This book discusses several models of limit order books. It begins by discussing the data to

assess their empirical properties, and then moves on to mathematical models in order to reproduce the observed properties. Finally, the book presents a framework for numerical simulations. It also covers important modelling techniques including agent-based modelling, and advanced modelling of limit order books based on Hawkes processes. The book also provides in-depth coverage of simulation techniques and introduces general, flexible, open source library concepts useful to readers studying trading strategies in order-driven markets.

[A Destined Novel](#) | Packt Publishing Ltd  
Get more out of Microsoft Power BI

turning your data into actionable insights

About This Book\* From connecting to your data sources to developing and deploying immersive, mobile-ready dashboards and visualizations, this book covers it all\* Over 90 hands-on, technical recipes, tips, and use cases from across the Power BI platform including the Power BI Service and Mobile Applications\* Proven development techniques and guidance for implementing custom solutions with DAX and M languages

Who This Book Is For This book is for BI professionals who wish to enhance their knowledge of Power BI beyond and to enhance the value of the Power BI solutions they deliver



to business users. Those who are looking at quick solutions to common problems while using Power BI will also find this book to be a very useful resource. Some experience with Power BI will be useful.

**You Will Learn\***

- Cleanse, stage, and integrate your data sources with Power BI\*
- Abstract data complexities and provide users with intuitive, self-service BI capabilities\*
- Build business logic and analysis into your solutions via the DAX programming language and dynamic, dashboard-ready calculations\*
- Take advantage of the analytics and predictive capabilities of Power BI\*
- Make your solutions more dynamic and user

specific and/or defined including use cases of parameters, functions, and row level security\*

- Understand the differences and implications of DirectQuery, Live Connections, and Import-Mode Power BI datasets and how to deploy content to the Power BI Service and schedule refreshes\*
- Integrate other Microsoft data tools such as Excel and SQL Server Reporting Services into your Power BI solution
- In Detail Microsoft Power BI is a business intelligence and analytics platform consisting of applications and services designed to provide coherent, visual and interactive insights of data. This book will provide thorough, technical

examples of using all primary Power BI tools and features as well as demonstrate high impact end-to-end solutions that leverage and integrate these technologies and services. Get familiar with Power BI development tools and services, go deep into the data connectivity and transformation, modeling, visualization and analytical capabilities of Power BI, and see Power BI's functional programming languages of DAX and M come alive to deliver powerful solutions to address common, challenging scenarios in business intelligence. This book will excite and empower you to get more out of Power BI via detailed recipes, advanced design and

development tips, and guidance on enhancing existing Power BI projects. Style and approach This book consists of practical recipes on Power BI that target novices as well as intermediate Power BI users. It goes deep into the technical issues, covers additional protocols, and many more real-live examples.

### Building Data Models with PowerPivot

Worthy Books

Power Query is one component of the Power BI (Business Intelligence) product from Microsoft, and "M" is the name of the programming language created by it. As more business intelligence pros begin using Power Pivot, they find that they do not have the Excel skills to clean the data in Excel; Power

Query solves this problem. This book shows how to use the Power Query tool to get difficult data sets into both Excel and Power Pivot, and is solely devoted to Power Query dashboarding and reporting.

Ash Packt Publishing Ltd

Build agile and responsive business intelligence solutions  
Create a semantic model and analyze data using the tabular model in SQL Server 2016  
Analysis Services to create corporate-level business intelligence (BI) solutions. Led by two BI experts, you will learn how to build, deploy, and query a tabular model by following detailed examples and best practices. This hands-

on book shows you how to use the tabular model's in-memory database to perform rapid analytics—whether you are new to Analysis Services or already familiar with its multidimensional model. Discover how to:

- Determine when a tabular or multidimensional model is right for your project
- Build a tabular model using SQL Server Data Tools in Microsoft Visual Studio 2015
- Integrate data from multiple sources into a single, coherent view of company information
- Choose a data-modeling technique that meets your organization's performance and usability requirements
- Implement security by establishing

administrative and data user roles • Define and implement partitioning strategies to reduce processing time • Use Tabular Model Scripting Language (TMSL) to execute and automate administrative tasks • Optimize your data model to reduce the memory footprint for VertiPaq • Choose between in-memory (VertiPaq) and pass-through (DirectQuery) engines for tabular models • Select the proper hardware and virtualization configurations • Deploy and manipulate tabular models from C# and PowerShell using AMO and TOM libraries Get code samples, including complete apps, at: <https://aka.ms/tabular/downloads> About This Book • For BI

professionals who are new to SQL Server 2016 Analysis Services or already familiar with previous versions of the product, and who want the best reference for creating and maintaining tabular models. • Assumes basic familiarity with database design and business analytics concepts. [Microsoft PowerPivot for Excel 2010](#) Tickling Keys, Inc. The new edition of this influential textbook, geared towards graduate or advanced undergraduate students, teaches the statistics necessary for financial engineering. In doing so, it illustrates concepts using financial markets and economic data, R Labs with real-data exercises, and

graphical and analytic methods for modeling and diagnosing modeling errors. These methods are critical because financial engineers now have access to enormous quantities of data. To make use of this data, the powerful methods in this book for working with quantitative information, particularly about volatility and risks, are essential. Strengths of this fully-revised edition include major additions to the R code and the advanced topics covered. Individual chapters cover, among other topics, multivariate distributions, copulas, Bayesian computations, risk management, and cointegration. Suggested prerequisites are basic

knowledge of statistics and probability, matrices and linear algebra, and calculus. There is an appendix on probability, statistics and linear algebra. Practicing financial engineers will also find this book of interest.

[Give Your Data](#)

[Meaning Que](#)

Publishing

Microsoft PowerPivot for Excel 2010: Give Your Data Meaning introduces PowerPivot in Excel 2010 to power users and data analysts who want to give their data meaning by creating their own Business Intelligence models. And with Microsoft Excel 2010: Data Analysis and Business Modeling, you'll learn the best ways to use Office Excel 2010 for data analysis and

business modeling. Award-winning professor and statistician Wayne Winston shares practical examples to help you transform data into bottom-line results. Web site includes practice files. The two books included in this kit are:

9780735640580

Microsoft PowerPivot for Excel 2010

9780735643369

Microsoft Office Excel 2007: Data Analysis and Business Modeling, 3E

**Analyzing Data with Power BI and Power Pivot for Excel** John Wiley & Sons

Analyze tabular data using the BI Semantic Model (BISM) in SQL Server 2012 Analysis Services--and discover a simpler method for creating corporate-level BI solutions. Led

by three BI experts, you'll learn how to build, deploy, and query a BISM tabular model with step-by-step guides, examples, and best practices. This hands-on book shows you how the tabular model's in-memory database enables you to perform rapid analytics--whether you're a professional BI developer new to Analysis Services or already familiar with its multidimensional model --

*DAX Patterns: Second Edition* Cambridge University Press

Developing a successful game in today's market is a challenging endeavor. Thousands of titles are published yearly, all competing for players' time and attention. Game analytics has

emerged in the past few years as one of the main resources for ensuring game quality, maximizing success, understanding player behavior and enhancing the quality of the player experience. It has led to a paradigm shift in the development and design strategies of digital games, bringing data-driven intelligence practices into the fray for informing decision making at operational, tactical and strategic levels. *Game Analytics - Maximizing the Value of Player Data* is the first book on the topic of game analytics; the process of discovering and communicating patterns in data towards evaluating and driving action, improving performance and solving problems

in game development and game research. Written by over 50 international experts from industry and research, it covers a comprehensive range of topics across more than 30 chapters, providing an in-depth discussion of game analytics and its practical applications. Topics covered include monetization strategies, design of telemetry systems, analytics for iterative production, game data mining and big data in game development, spatial analytics, visualization and reporting of analysis, player behavior analysis, quantitative user testing and game user research. This state-of-the-art volume is an essential source of reference for game developers and

researchers. Key takeaways include: Thorough introduction to game analytics; covering analytics applied to data on players, processes and performance throughout the game lifecycle. In-depth coverage and advice on setting up analytics systems and developing good practices for integrating analytics in game-development and -management. Contributions by leading researchers and experienced professionals from the industry, including Ubisoft, Sony, EA, Bioware, Square Enix, THQ, Volition, and PlayableGames. Interviews with experienced industry professionals on how they use analytics to create hit games.

Microsoft SQL Server 2012 Integration Services Apress  
Introduces machine learning and its algorithmic paradigms, explaining the principles behind automated learning approaches and the considerations underlying their usage. *Predictive Analytics* Microsoft Press  
This is the eBook of the printed book and may not include any media, website access codes, or print supplements that may come packaged with the bound book. *Introducing Microsoft Power BI* enables you to evaluate when and how to use Power BI. Get inspired to improve business processes in your company by leveraging the available analytical and collaborative features



of this environment. Be sure to watch for the publication of Alberto Ferrari and Marco Russo's upcoming retail book, *Analyzing Data with Power BI and Power Pivot for Excel* (ISBN 9781509302765). Go to the book's page at the Microsoft Press Store here for more details:<http://aka.ms/analyzingdata/details>. Learn more about Power BI at <https://powerbi.microsoft.com/>.

Related with Dax Patterns 2015:

[© Dax Patterns 2015 The Loom Of Language By Frederick Bodmer](#)

[© Dax Patterns 2015 The Miniature Guide To Critical Thinking](#)

[© Dax Patterns 2015 The Managers Responsibility For Staff Food Safety Training Is To](#)