

Microsoft Excel Data Analysis And Business Modeling 5th Edition

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. Master business modeling and analysis techniques with Microsoft Excel 2016, and transform data into bottom-line results. Written by award-winning educator Wayne Winston, this hands on, scenario-focused guide helps you use Excel's newest tools to ask the right questions and get accurate, actionable answers. This edition adds 150+ new problems with solutions, plus a chapter of basic spreadsheet models to make sure you're fully up to speed. Solve real business problems with Excel—and build your competitive advantage Quickly transition from Excel basics to sophisticated analytics Summarize data by using PivotTables and Descriptive Statistics Use Excel trend curves, multiple regression, and exponential smoothing Master advanced functions such as OFFSET and INDIRECT Delve into key financial, statistical, and time functions Leverage the new charts in Excel 2016 (including box and whisker and waterfall charts) Make charts more effective by using Power View Tame complex optimizations by using Excel Solver Run Monte Carlo simulations on stock prices and bidding models Work with the AGGREGATE function and table slicers Create PivotTables from data in different worksheets or workbooks Learn about basic probability and Bayes' Theorem Automate repetitive tasks by using macros

Master data analysis, modeling, and spreadsheet use with DATA ANALYSIS AND DECISION MAKING WITH MICROSOFT EXCEL! With a teach-by-example approach, student-friendly writing style, and complete Excel integration,

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this quantitative methods text provides you with the tools you need to succeed. Margin notes, boxed-in definitions and formulas in the text, enhanced explanations in the text itself, and stated objectives for the examples found throughout the text make studying easy. Problem sets and cases provide realistic examples that enable you to see the relevance of the material to your future as a business leader. The CD-ROMs packaged with every new book include the following add-ins: the Palisade Decision Tools Suite (@RISK, StatTools, PrecisionTree, TopRank, and RISKOptimizer); and SolverTable, which allows you to do sensitivity analysis. All of these add-ins have been revised for Excel 2007.

- * Essential for those who know basic Excel and want to explore the full potential of the program
- * Teaches how to manipulate data to suit specific needs and achieve more by doing less work
- * Self-contained two-page lessons, featuring high-resolution screen shots and minimal text, show how to create custom functions, retrieve data from databases, use value chains, and slice and pivot information from the Web with Excel's PivotTable utility
- * Covers data analyzing techniques for statistical functions, financial functions, data sharing, PivotTables and PivotCharts, Solver, and BackSolver

Advanced techniques for Excel power users Crunch and analyze Excel data the way the professionals do with this clean, uncluttered, visual guide to advanced Excel techniques. Using numerous screenshots and easy-to-follow numbered steps, this book clearly shows you how to perform professional-level modeling, charting, data access, data slicing, and other functions. You'll find super techniques for getting the most out of Excel's statistical and financial functions, Excel PivotTables and PivotCharts, Excel Solver, and more. Provides a clear look at power-using Excel, the world's leading spreadsheet application from Microsoft, and part of the new Microsoft Office 2010 suite Expands your

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Excel knowledge and helps you use Excel data more efficiently Demonstrates how to retrieve data from databases;; cut, slice, and pivot data using PivotTables; model data and chart data; and use advanced formulas Explores all features and functions in friendly, two-color pages packed with screenshots, numbered steps, and other visual graphics that clearly show you how to accomplish tasks Includes practical examples, tips, and advice to help you get the most out of Excel's features and functions Learn Excel at the highest levels with this practical guide.

Microsoft Excel Data Analysis and Business Modeling Take Excel to the next level Excel is the world's leading spreadsheet application. It's a key module in Microsoft Office—the number-one productivity suite—and it is the number-one business intelligence tool. An Excel dashboard report is a visual presentation of critical data and uses gauges, maps, charts, sliders, and other graphical elements to present complex data in an easy-to-understand format. Excel Data Analysis For Dummies explains in depth how to use Excel as a tool for analyzing big data sets. In no time, you'll discover how to mine and analyze critical data in order to make more informed business decisions. Work with external databases, PivotTables, and Pivot Charts Use Excel for statistical and financial functions and data sharing Get familiar with Solver Use the Small Business Finance Manager If you're familiar with Excel but lack a background in the technical aspects of data analysis, this user-friendly book makes it easy to start putting it to use for you.

Spreadsheet skills are important for a first job, and DATA ANALYSIS USING MICROSOFT EXCEL prepares students to enter the world of work with stronger spreadsheet skills. Designed as a supplement to a main statistics text or as a reference for professionals, this handbook helps students build their proficiency in Microsoft Excel and shows them how

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to use the built-in capabilities of Excel to analyze data and make decisions. Although many of the examples are business oriented, the step-by-step approach makes this book appropriate for statistical analysis in other courses and academic disciplines.

Use Excel 2013's statistical tools to transform your data into knowledge Conrad Carlberg shows how to use Excel 2013 to perform core statistical tasks every business professional, student, and researcher should master. Using real-world examples, Carlberg helps you choose the right technique for each problem and get the most out of Excel's statistical features, including recently introduced consistency functions. Along the way, he clarifies confusing statistical terminology and helps you avoid common mistakes. You'll learn how to use correlation and regression, analyze variance and covariance, and test statistical hypotheses using the normal, binomial, t, and F distributions. To help you make accurate inferences based on samples from a population, this edition adds two more chapters on inferential statistics, covering crucial topics ranging from experimental design to the statistical power of F tests. Becoming an expert with Excel statistics has never been easier! You'll find crystal-clear instructions, insider insights, and complete step-by-step projects—all complemented by extensive web-based resources. Master Excel's most useful descriptive and inferential statistical tools Tell the truth with statistics—and recognize when others don't Accurately summarize sets of values Infer a population's characteristics from a sample's frequency distribution Explore correlation and regression to learn how variables move in tandem Use Excel consistency functions such as STDEV.S() and STDEV.P() Test differences between two means using z tests, t tests, and Excel's Data Analysis Add-in Use ANOVA to test differences between more than two means Explore statistical power by

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manipulating mean differences, standard errors, directionality, and alpha Take advantage of Recommended PivotTables, Quick Analysis, and other Excel 2013 shortcuts

USE EXCEL'S STATISTICAL TOOLS TO TRANSFORM YOUR DATA INTO KNOWLEDGE Nationally recognized Excel expert Conrad Carlberg shows you how to use Excel 2016 to perform core statistical tasks every business professional, student, and researcher should master. Using real-world examples and downloadable workbooks, Carlberg helps you choose the right technique for each problem and get the most out of Excel's statistical features. Along the way, he clarifies confusing statistical terminology and helps you avoid common mistakes. You'll learn how to use correlation and regression, analyze variance and covariance, and test statistical hypotheses using the normal, binomial, t, and F distributions. To help you make accurate inferences based on samples from a population, Carlberg offers insightful coverage of crucial topics ranging from experimental design to the statistical power of F tests. Updated for Excel 2016, this guide covers both modern consistency functions and legacy compatibility functions. Becoming an expert with Excel statistics has never been easier! In this book, you'll find crystal-clear instructions, insider insights, and complete step-by-step guidance. Master Excel's most useful descriptive and inferential statistical tools Understand how values cluster together or disperse, and how variables move or classify jointly Tell the truth with statistics—and recognize when others don't Infer a population's characteristics from a sample's frequency distribution Explore correlation and regression to learn how variables move in tandem Use Excel consistency functions such as `STDEV.S()` and `STDEV.P()` Test differences between two means using z tests, t tests, and Excel's Data Analysis Add-in Identify skewed distributions using Excel's new built-in box-and-whisker plots

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and histograms Evaluate statistical power and control risk Explore how randomized block and split plot designs alter the derivation of F-ratios Use coded multiple regression analysis to perform ANOVA with unbalanced factorial designs Analyze covariance with ANCOVA, and properly use multiple covariance Take advantage of Recommended PivotTables, Quick Analysis, and other Excel 2016 shortcuts Helping tech-savvy marketers and data analysts solve real-world business problems with Excel Using data-driven business analytics to understand customers and improve results is a great idea in theory, but in today's busy offices, marketers and analysts need simple, low-cost ways to process and make the most of all that data. This expert book offers the perfect solution. Written by data analysis expert Wayne L. Winston, this practical resource shows you how to tap a simple and cost-effective tool, Microsoft Excel, to solve specific business problems using powerful analytic techniques—and achieve optimum results. Practical exercises in each chapter help you apply and reinforce techniques as you learn. Shows you how to perform sophisticated business analyses using the cost-effective and widely available Microsoft Excel instead of expensive, proprietary analytical tools Reveals how to target and retain profitable customers and avoid high-risk customers Helps you forecast sales and improve response rates for marketing campaigns Explores how to optimize price points for products and services, optimize store layouts, and improve online advertising Covers social media, viral marketing, and how to exploit both effectively Improve your marketing results with Microsoft Excel and the invaluable techniques and ideas in Marketing Analytics: Data-Driven Techniques with Microsoft Excel. A unique, self-study reference for managers and statisticians who use the Excel Spreadsheet as their primary computational tool for forecasting, data analysis, or

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regression analysis. Original. (Advanced).

Written by award-winning educator Wayne Winston, this hands-on, scenario-focused guide will help you apply Excel 2016's most valuable innovations for data analysis and business modeling. It's packed with realistic problems and solutions to help you gain mastery -- including over 150 that are new or revised. Coverage includes: Quickly transitioning from basic Excel to more sophisticated analytics Summarizing data with PivotTables and Descriptive Statistics Exploring new trends in predictive and prescriptive analytics Using Excel Trend Curves, multiple regression, and exponential smoothing Mastering advanced Excel functions such as OFFSET and INDIRECT Delving into key financial, statistical, and time functions Making charts more effective with Power View Tame complex optimization problems with Excel Solver Running Monte Carlo simulations on stock prices and bidding models Using Excel 2016's new FORECAST and Power Map tools Working with the AGGREGATE function and Table Slicers Creating multiple PivotTables from a filter Using HYPERLINKS, ISFORMULA, and UNICODE Performing sensitivity analyses with more than two variables Making the most of the Inquire add-in And much more "

Elementary Data Analysis by Meehan and Warner introduces students to Microsoft Excel spreadsheets as a tool to be used in Introductory Statistics courses. For years professors have relied on specialized statistical software like SPSS (Statistical Package for Social Sciences) in statistics and research methods courses, but computer technology has become ubiquitous and spreadsheets more popular. This easy to use workbook demonstrates that by utilizing a familiar program such as Excel, students can concentrate more on statistical concepts and outcomes and less on the mechanics of the software. Even for students who are not familiar with spreadsheets, they can learn statistical analysis easier with

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Excel than with specialized software, and this workbook takes them through step by step.

Excel is the number-one spreadsheet application, with ever-expanding capabilities. If you're only using it to balance the books, you're missing out on a host of functions that can benefit your business or personal finances by uncovering trends and other important information hidden within the numbers.

Master business modeling and analysis techniques with Microsoft Excel, and transform data into bottom-line results. Written by award-winning educator Wayne Winston, this hands-on, scenario-focused guide shows you how to use the latest Excel tools to integrate data from multiple tables--and how to effectively build a relational data source inside an Excel workbook.

This book offers a comprehensive and readable introduction to modern business and data analytics. It is based on the use of Excel, a tool that virtually all students and professionals have access to. The explanations are focused on understanding the techniques and their proper application, and are supplemented by a wealth of in-chapter and end-of-chapter exercises. In addition to the general statistical methods, the book also includes Monte Carlo simulation and optimization. The second edition has been thoroughly revised: new topics, exercises and examples have been added, and the readability has been further improved. The book is primarily intended for students in business, economics and government, as well as professionals, who need a more rigorous introduction to business and data analytics – yet also need to learn the topic quickly and without overly academic explanations.

Harness the power of Excel to discover what your numbers are hiding Excel Data Analysis For Dummies, 2nd Edition is the ultimate guide to getting the most out of your data.

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Veteran Dummies author Stephen L. Nelson guides you through the basic and not-so-basic features of Excel to help you discover the gems hidden in your rough data. From input, to analysis, to visualization, the book walks you through the steps that lead to superior data analysis. Excel is the number-one spreadsheet application, with ever-expanding capabilities. If you're only using it to balance the books, you're missing out on a host of functions that can benefit your business or personal finances by uncovering trends and other important information hidden within the numbers. Excel Data Analysis For Dummies, 2nd Edition eliminates the need for advanced statistics or analysis courses by allowing you to harness the full power of Excel to do the heavy lifting for you. This 2nd Edition is fully updated to include information about Excel's latest features, making it a your go-to Excel guide for data analysis. Topics include: Working with external databases PivotTables and PivotCharts Using Excel for statistical and financial functions Solver, Small Business Finance Manager, and more The book also includes a guide to chart types and formatting, and advice on effective visual data presentation. You already have the data, so you might as well get something great out of it. Excel Data Analysis For Dummies, 2nd Edition is the key to discovering what your numbers are hiding.

This popular best-selling book shows students and professionals how to do data analysis with Microsoft Excel. DATA ANALYSIS WITH MICROSOFT EXCEL teaches students and professionals the fundamental concepts of statistics and how to use Microsoft Excel to solve the kind of data-intensive problems that arise in business and elsewhere. Even students with no previous experience using spreadsheets will find that this text's step-by-step approach, extensive tutorials, and examples make it easy to learn how to use Excel for analyzing data. A CD-ROM is included with

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every new text that contains the StatPlus add-ins for Microsoft Excel and data sets for exercises.

This popular best-selling book shows students and professionals how to do data analysis with Microsoft Excel. DATA ANALYSIS WITH MICROSOFT EXCEL teaches the fundamental concepts of statistics and how to use Microsoft Excel to solve the kind of data-intensive problems that arise in business and elsewhere. Even students with no previous experience using spreadsheets will find that this text's step-by-step approach, extensive tutorials, and examples make it easy to learn how to use Excel for analyzing data. A downloadable StatPlus(tm) add-in for Microsoft Excel, data sets for exercises, and interactive concept tutorials are available on the Book Companion Website.

You too can understand the statistics of life, even if you're math-challenged! What do you need to calculate?

Manufacturing output? A curve for test scores? Sports stats?

You and Excel can do it, and this non-intimidating guide shows you how. It demystifies the different types of statistics, how Excel functions and formulas work, the meaning of means and medians, how to interpret your figures, and more — in plain English. Getting there — learn how variables, samples, and probability are used to get the information you want

Excel tricks — find out what's built into the program to help you work with Excel formulas Playing with worksheets — get acquainted with the worksheet functions for each step

Graphic displays — present your data as pie graphs, bar graphs, line graphs, or scatter plots What's normal? — understand normal distribution and probability

Hyping hypotheses — learn to use hypothesis testing with means and variables When regression is progress — discover when and how to use regression for forecasting

What are the odds — work with probability, random variables, and binomial distribution

Open the book and find: Ten statistical and

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graphical tips and traps The difference between descriptive and inferential statistics Why graphs are good How to measure variations What standard scores are and why they're used When to use two-sample hypothesis testing How to use correlations Different ways of working with probability Do you know that there's a lot more to Excel, but have no idea what to learn? This book could be the answer you're looking for... Here's What You'll Learn With This Book: Introduction to Advanced Excel Optimization using the Solver Function Sensitivity Analysis 3-Dimensional Formula Data Validation Different Charts with Application -23 Different Chart Types Using Correlations to Summarize Applications Data Filters Data Consolidation Other Functions

This new edition covers some of the key topics relating to the latest version of MS Office through Excel 2019, including the creation of custom ribbons by injecting XML code into Excel Workbooks and how to link Excel VBA macros to customize ribbon objects. It now also provides examples in using ADO, DAO, and SQL queries to retrieve data from databases for analysis. Operations such as fully automated linear and non-linear curve fitting, linear and non-linear mapping, charting, plotting, sorting, and filtering of data have been updated to leverage the newest Excel VBA object models. The text provides examples on automated data analysis and the preparation of custom reports suitable for legal archiving and dissemination. Functionality Demonstrated in This Edition Includes: Find and extract information raw data files Format data in color (conditional formatting) Perform non-linear and linear regressions on data Create custom functions for specific applications Generate datasets for regressions and functions Create custom reports for regulatory agencies Leverage email to send generated reports Return data to Excel using ADO, DAO, and SQL queries Create database files for processed data Create tables, records, and fields in

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databases Add data to databases in fields or records
Leverage external computational engines Call functions in
MATLAB® and Origin® from Excel
Provides an introduction to data analysis and business
modeling using Microsoft Excel.

EXCEL 2016 PREDICTIVE ANALYTICS FOR SERIOUS
DATA CRUNCHERS! Now, you can apply cutting-edge
predictive analytics techniques to help your business win—and
you don't need multimillion-dollar software to do it. All the
tools you need are available in Microsoft Excel 2016, and all
the knowledge and skills are right here, in this book! Microsoft
Excel MVP Conrad Carlberg shows you how to use Excel
predictive analytics to solve real problems in areas ranging
from sales and marketing to operations. Carlberg offers
unprecedented insight into building powerful, credible, and
reliable forecasts, helping you gain deep insights from Excel
that would be difficult to uncover with costly tools such as
SAS or SPSS. Fully updated for Excel 2016, this guide
contains valuable new coverage of accounting for seasonality
and managing complex consumer choice scenarios.
Throughout, Carlberg provides downloadable Excel 2016
workbooks you can easily adapt to your own needs, plus VBA
code—much of it open-source—to streamline especially
complex techniques. Step by step, you'll build on Excel skills
you already have, learning advanced techniques that can
help you increase revenue, reduce costs, and improve
productivity. By mastering predictive analytics, you'll gain a
powerful competitive advantage for your company and
yourself. Learn the “how” and “why” of using data to make
better decisions, and choose the right technique for each
problem Capture live real-time data from diverse sources,
including third-party websites Use logistic regression to
predict behaviors such as “will buy” versus “won't buy”
Distinguish random data bounces from real, fundamental

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changes Forecast time series with smoothing and regression Account for trends and seasonality via Holt-Winters smoothing Prevent trends from running out of control over long time horizons Construct more accurate predictions by using Solver Manage large numbers of variables and unwieldy datasets with principal components analysis and Varimax factor rotation Apply ARIMA (Box-Jenkins) techniques to build better forecasts and clarify their meaning Handle complex consumer choice problems with advanced logistic regression Benchmark Excel results against R results Master business modeling and analysis techniques with Microsoft Excel 2016, and transform data into bottom-line results. Written by award-winning educator Wayne Winston, this hands on, scenario-focused guide helps you use Excel's newest tools to ask the right questions and get accurate, actionable answers. This edition adds 150+ new problems with solutions, plus a chapter of basic spreadsheet models to make sure you're fully up to speed. -- This book is targeted for those who need to learn the marketing research process and basic data analysis techniques. This is the first book on the market that offers a software add-in (XL Data Analyst) designed specifically to use the power of Excel for marketing research applications. XL Data Analyst also features data analysis output that is exceptionally easy to understand and in professional table/report-ready format. All marketing research concepts are presented simply and intuitively. KEY TOPICS: 11 Step marketing research process; the industry;

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ethical issues, global applications. Basic descriptive statistics, confidence intervals and hypothesis testing, differences tests through one-way ANOVA, cross-tabulation/Chi-square, Pearson Correlation, and simple and multiple regression are all comprehensively covered. This is the ideal book for those who wish to teach basic marketing research to undergraduate students without learning cumbersome statistical analysis software but who have access to Excel". The XL Data Analysis Add-in is easy to master and use and performs analyses such as tests of proportions and hypothesis tests for percentages, not typically available on standard statistical analysis software.

The complete guide to Excel 2016, from Mr. Spreadsheet himself **strong** Whether you are just starting out or an Excel novice, the Excel 2016 Bible is your comprehensive, go-to guide for all your Excel 2016 needs. Whether you use Excel at work or at home, you will be guided through the powerful new features and capabilities by expert author and Excel Guru John Walkenbach to take full advantage of what the updated version offers. Learn to incorporate templates, implement formulas, create pivot tables, analyze data, and much more. Navigate this powerful tool for business, home management, technical work, and much more with the only

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resource you need, Excel 2016 Bible. Create functional spreadsheets that work Master formulas, formatting, pivot tables, and more Get acquainted with Excel 2016's new features and tools Customize downloadable templates and worksheets Whether you need a walkthrough tutorial or an easy-to-navigate desk reference, the Excel 2016 Bible has you covered with complete coverage and clear expert guidance.

This text presents statistical concepts and methods in a unified, modern, spreadsheet-oriented approach. Featuring a wealth of business applications, this examples-based text illustrates a variety of statistical methods to help students analyze data sets and uncover important information to aid decision-making. DATA ANALYSIS FOR MANAGERS contains professional StatPro add-ins for Microsoft Excel from Palisade, valued at one hundred fifty dollars packaged at no additional cost with every new text.

Harvey Brightman's accessible, easy-to-understand new book focuses on helping readers learn essential statistical concepts and data analysis. In an intuitive and non-mathematical writing style, Brightman uses actual business applications and covers practical insights in business problem solving using Microsoft Excel as the primary computational tool. His clear, to-the-point presentation gives students a 'map' for learning what data analysis techniques to use and

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when to use them. Brightman presents descriptive and inferential methods in sequential chapters, and introduces probability only as needed and then only on a very limited basis.

Prepare for Microsoft Exam 70-779—and help demonstrate your real-world mastery of Microsoft Excel data analysis and visualization. Designed for BI professionals, data analysts, and others who analyze business data with Excel, this Exam Ref focuses on the critical thinking and decision-making acumen needed for success at the MCSA level.

Focus on the expertise measured by these objectives: Consume and transform data by using Microsoft Excel Model data, from building and optimizing data models through creating performance KPIs, actual and target calculations, and hierarchies Visualize data, including creating and managing PivotTables and PivotCharts, and interacting with PowerBI This Microsoft Exam Ref:

Organizes its coverage by exam objectives Features strategic, what-if scenarios to challenge you

Assumes you have a strong understanding of how to use Microsoft Excel to perform data analysis

Designed for users already familiar with basic computer operations, Neil J. Salkind's Excel

Statistics: A Quick Guide shows readers how to utilize the features of Microsoft® Excel to answer both simple and complex questions about data analysis. Part I explores thirty Excel functions, each

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one detailed on a two-page spread. The description and use of each function appear on one page with corresponding screen shots of the function in action on the facing page, allowing the user to see what the function looks like as it is being applied. Part II of the text contains fifteen Analysis Toolpak tools, each explained using the same two-page spread design as for the functions. Excel novices and experts alike will find this text not only practical but easy to use and engaging. Key Features: - Each function and tool is accompanied by an Excel file, accessible through the SAGE Web site, to be used as an example of each analysis. Access these files through the SAGE website

(www.sagepub.com/salkindexcelstats) or through www.onlinefilefolder.com. - The screenshots and steps feature Microsoft Excel 2010 and are compatible with Microsoft 97-2003 and Excel 5.0/95. - Designed to be used as both an introduction and a reference book as needed. Perfect as an accompaniment to existing introductory statistics books or in a lab setting.

This work utilizes Excel add-in software for data analysis, an integrated case, and experiential learning exercises to present a concise introduction to fundamentals of market research, offering resources students can use in their future careers. Master business modeling and analysis techniques with Microsoft Excel 2013, and transform data into

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bottom-line results. Written by award-winning educator Wayne Winston, this hands-on, scenario-focused guide shows you how to use the latest Excel tools to integrate data from multiple tables—and how to effectively build a relational data source inside an Excel workbook. Solve real business problems with Excel—and sharpen your edge Summarize data with PivotTables and Descriptive Statistics Explore new trends in predictive and prescriptive analytics Use Excel Trend Curves, multiple regression, and exponential smoothing Master advanced Excel functions such as OFFSET and INDIRECT Delve into key financial, statistical, and time functions Make your charts more effective with the Power View tool Tame complex optimization problems with Excel Solver Run Monte Carlo simulations on stock prices and bidding models Apply important modeling tools such as the Inquire add-in

An award-winning business professor and corporate consultant shares the best of his real-world experience in this practical, scenario-focused guide--fully updated for Excel 2010.

This book includes step-by-step examples and case studies that teach users the many power tricks for analyzing data in Excel. These are tips honed by Bill Jelen, "MrExcel," during his 10-year run as a financial analyst charged with taking mainframe data and turning it into useful information quickly. Topics include perfectly sorting with one click every time,

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matching lists of data, data consolidation, data subtotals, pivot tables, and much more.

Master business modeling and analysis techniques with Microsoft Excel 2019 and Office 365 and transform data into bottom-line results. Written by award-winning educator Wayne Winston, this hands-on, scenario-focused guide helps you use Excel to ask the right questions and get accurate, actionable answers. New coverage ranges from Power Query/Get & Transform to Office 365 Geography and Stock data types. Practice with more than 800 problems, many based on actual challenges faced by working analysts. Solve real business problems with Excel—and build your competitive advantage: Quickly transition from Excel basics to sophisticated analytics Use PowerQuery or Get & Transform to connect, combine, and refine data sources Leverage Office 365's new Geography and Stock data types and six new functions Illuminate insights from geographic and temporal data with 3D Maps Summarize data with pivot tables, descriptive statistics, histograms, and Pareto charts Use Excel trend curves, multiple regression, and exponential smoothing Delve into key financial, statistical, and time functions Master all of Excel's great charts Quickly create forecasts from historical time-based data Use Solver to optimize product mix, logistics, work schedules, and investments—and even rate sports teams Run Monte Carlo simulations on stock

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prices and bidding models Learn about basic probability and Bayes' Theorem Use the Data Model and Power Pivot to effectively build and use relational data sources inside an Excel workbook Automate repetitive analytics tasks by using macros
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