

Predictive Analytics Microsoft Excel Conrad Carlberg

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 Predictive Analytics

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LEWIS BRENNAN

Basics, Model Building, Simulation and Cases Microsoft Press
 You have learned the methods to the madness of Excel. Formulas and functions are friends instead of foes. Yet you know there's something missing that could make your job even easier. That "something" is efficient and effective data management. Managing Data with Excel is the only book on the market that focuses on just that. Learn how to efficiently move data, automate data storage and import data into worksheets and pivot tables. Case studies are included in each chapter to illustrate real-world applications of these functions. Invest your time in learning this now so that you can stop wasting your time figuring out how to work around problems.

Legal Informatics McGraw Hill Professional
 Thought you couldn't learn statistics? You can – and you will! Even You Can Learn Statistics and Analytics, Third Edition is the practical, up-to-date introduction to statistics – for everyone! Now fully updated for "big data" analytics and the newest applications, it'll teach you all the statistical techniques you'll need for finance, marketing, quality, science, social science, and more – one easy step at a time. Simple jargon-free explanations help you understand every technique, and extensive practical examples and worked problems give you all the hands-on practice you'll need. This edition contains more practical examples than ever – all updated for the newest versions of Microsoft Excel. You'll find downloadable practice files, templates, data sets, and sample models – including complete solutions you can put right to work! Learn how to do all this, and more: Apply statistical techniques to analyze huge data sets and transform them into valuable knowledge Construct and interpret statistical charts and tables with Excel or OpenOffice.org Calc 3 Work with mean, median, mode, standard deviation, Z scores, skewness, and other descriptive statistics Use probability and probability distributions Work with sampling distributions and confidence intervals Test hypotheses with Z, t, chi-square, ANOVA, and other techniques Perform powerful regression analysis and modeling Use multiple regression to develop models that contain several independent variables Master specific statistical techniques for quality and Six Sigma programs Hate math? No sweat. You'll be amazed at how little you need. Like math? Optional "Equation Blackboard" sections reveal the mathematical foundations of statistics right before your eyes. If you need to understand, evaluate, or use statistics in business, academia, or anywhere else, this is the book you've been searching for!

Data Analysis with Microsoft Power BI Cambridge University Press
 PivotTables may be Excel's most powerful feature, but Microsoft

has estimated that only 15% of Excel users take advantage of them. That's because PivotTables (and their companion feature, PivotCharts) have a reputation for being difficult to learn. Not any more! In this expert tutorial, Excel legends Bill Jelen ("MrExcel") and Michael Alexander teach PivotTables and PivotCharts step-by-step, using realistic business scenarios that any Excel user can intuitively understand. Jelen and Alexander go far beyond merely explaining PivotTables and PivotCharts: they present practical "recipes" for solving a wide range of business problems. Drawing on more than 35 combined years of Excel experience, they provide tips and tricks readers won't find anywhere else, and show exactly how to sidestep common mistakes. Coverage includes: * Creating PivotTables, customizing them, and changing the way you view them * Performing calculations within PivotTables * Using PivotCharts and other visualizations * Analyzing multiple data sources with PivotTables * Sharing PivotTables with others * Working with and analyzing OLAP data * Making the most of Excel 2013's powerful new PowerPivot feature * Using Excel 2013's Slicer to dynamically filter PivotTables * Enhancing PivotTables with macros and VBA code This book is part of the popular MrExcel's Library series, edited by Bill Jelen, world-renowned Excel expert and host of the world-renowned Excel help site, MrExcel.com.

Microsoft Excel 2019 Data Analysis and Business Modeling IBM Press
 Presents a guide that aims to assist accountants in creating the reports, explanations, and planning documents needed by clients. Provides downloadable example files which are compatible with all versions of Excel from Office 97 through Office 2003, and can also be opened with Excel 12 (in Office 2007).

Advancing Into Analytics Pearson Education
 Crunch Big Data to optimize marketing and more! Overwhelmed by all the Big Data now available to you? Not sure what questions to ask or how to ask them? Using Microsoft Excel and proven decision analytics techniques, you can distill all that data into manageable sets—and use them to optimize a wide variety of business and investment decisions. In *Decision Analytics: Microsoft Excel*, best selling statistics expert and consultant Conrad Carlberg will show you how—hands-on and step-by-step. Carlberg guides you through using decision analytics to segment customers (or anything else) into sensible and actionable groups and clusters. Next, you'll learn practical ways to optimize a wide spectrum of decisions in business and beyond—from pricing to cross-selling, hiring to investments—even facial recognition software uses the techniques discussed in this book! Through realistic examples, Carlberg helps you understand the techniques and assumptions that underlie decision analytics and use simple Excel charts to intuitively grasp the results. With this foundation in place, you can perform your own analyses in Excel and work

with results produced by advanced stats packages such as SAS and SPSS. This book comes with an extensive collection of downloadable Excel workbooks you can easily adapt to your own unique requirements, plus VBA code to streamline several of its most complex techniques. Classify data according to existing categories or naturally occurring clusters of predictor variables Cut massive numbers of variables and records down to size, so you can get the answers you really need Utilize cluster analysis to find patterns of similarity for market research and many other applications Learn how multiple discriminant analysis helps you classify cases Use MANOVA to decide whether groups differ on multivariate centroids Use principal components to explore data, find patterns, and identify latent factors Register your book for access to all sample workbooks, updates, and corrections as they become available at quepublishing.com/title/9780789751683.

Predictive Analytics Que Pub
 Data analytics may seem daunting, but if you're familiar with Excel, you have a head start that can help you make the leap into analytics. Advancing into Analytics will lower your learning curve. Author George Mount, founder and CEO of Stringfest Analytics, clearly and gently guides intermediate Excel users to a solid understanding of analytics and the data stack. This book demonstrates key statistical concepts from spreadsheets and pivots your existing knowledge about data manipulation into R and Python programming. With this practical book at your side, you'll learn how to: Explore a dataset for potential research questions to check assumptions and to build hypotheses Make compelling business recommendations using inferential statistics Load, view, and write datasets using R and Python Perform common data wrangling tasks such as sorting, filtering, and aggregating using R and Python Navigate and execute code in Jupyter notebooks Identify, install, and implement the most useful open source packages for your needs And more
Excel for Accountants Predictive Analytics Microsoft® Excel 2016 (Black & White version) Fundamentals of Business was created for Virginia Tech's MGT 1104 Foundations of Business through a collaboration between the Pamplin College of Business and Virginia Tech Libraries. This book is freely available at: <http://hdl.handle.net/10919/70961> It is licensed with a Creative Commons-NonCommercial ShareAlike 3.0 license.

R for Microsoft® Excel Users FT Press
 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 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

Excel 2003 Bible Pearson Education

Shows readers how to perform complex data analysis, create reports with the data analysis expressions language, and add hierarchies to data models to enable faster browsing.

Microsoft Excel Que Publishing

The entertainment industry has long been dominated by legendary screenwriter William Goldman's "Nobody-Knows-Anything" mantra, which argues that success is the result of managerial intuition and instinct. This book builds the case that combining such intuition with data analytics and rigorous scholarly knowledge provides a source of sustainable competitive advantage – the same recipe for success that is behind the rise of firms such as Netflix and Spotify, but has also fueled Disney's recent success. Unlocking a large repertoire of scientific studies by business scholars and entertainment economists, the authors identify essential factors, mechanisms, and methods that help a new entertainment product succeed. The book thus offers a timely alternative to "Nobody-Knows" decision-making in the digital era: while coupling a good idea with smart data analytics and entertainment theory cannot guarantee a hit, it systematically and substantially increases the probability of success in the entertainment industry. Entertainment Science is poised to inspire fresh new thinking among managers, students of entertainment, and scholars alike. Thorsten Hennig-Thurau and Mark B. Houston – two of our finest scholars in the area of entertainment marketing – have produced a definitive research-based compendium that cuts across various branches of the arts to explain the phenomena that provide consumption experiences to capture the hearts and minds of audiences. Morris B. Holbrook, W. T. Dillard Professor Emeritus of Marketing, Columbia University Entertainment Science is a must-read for everyone working in the entertainment industry today, where the impact of digital and the use of big data can't be ignored anymore. Hennig-Thurau and Houston are the scientific frontrunners of knowledge that the industry urgently needs. Michael Kölmel, media entrepreneur and Honorary Professor of Media Economics at University of Leipzig Entertainment Science's winning combination of creativity, theory, and data analytics offers managers in the creative industries and beyond a novel, compelling, and comprehensive approach to support their decision-making. This ground-breaking book marks the dawn of a new Golden Age of fruitful conversation between entertainment scholars, managers, and artists. Allègre Hadida, Associate Professor in Strategy, University of Cambridge

More Predictive Analytics Wiley

Master Data Analytics Hands-On by Solving Fascinating Problems You'll Actually Enjoy! Harvard Business Review recently called data science "The Sexiest Job of the 21st Century." It's not just sexy: For millions of managers, analysts, and students who need to solve real business problems, it's indispensable. Unfortunately, there's been nothing easy about learning data science—until now. Getting Started with Data Science takes its inspiration from worldwide best-sellers like Freakonomics and Malcolm Gladwell's Outliers: It teaches through a powerful narrative packed with unforgettable stories. Murtaza Haider offers informative, jargon-free coverage of basic theory and technique, backed with plenty of vivid examples and hands-on practice opportunities.

Everything's software and platform agnostic, so you can learn data science whether you work with R, Stata, SPSS, or SAS. Best of all, Haider teaches a crucial skillset most data science books ignore: how to tell powerful stories using graphics and tables. Every chapter is built around real research challenges, so you'll always know why you're doing what you're doing. You'll master data science by answering fascinating questions, such as: • Are religious individuals more or less likely to have extramarital

affairs? • Do attractive professors get better teaching evaluations? • Does the higher price of cigarettes deter smoking? • What determines housing prices more: lot size or the number of bedrooms? • How do teenagers and older people differ in the way they use social media? • Who is more likely to use online dating services? • Why do some purchase iPhones and others Blackberry devices? • Does the presence of children influence a family's spending on alcohol? For each problem, you'll walk through defining your question and the answers you'll need; exploring how others have approached similar challenges; selecting your data and methods; generating your statistics; organizing your report; and telling your story. Throughout, the focus is squarely on what matters most: transforming data into insights that are clear, accurate, and can be acted upon.

Microsoft Excel Wessex, Incorporated

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Regression Analysis Microsoft Excel Que Publishing

Predictive AnalyticsMicrosoft® Excel 2016Que Publishing

Microsoft® Excel Pearson Education

This book will give you the critical information you need to create, use, and validate simple predictive models, and it will suggest the types of real-world business problems you can solve with those models. It is designed to be as simple as possible, providing basic, practical, and immediately applicable information for business users new to the world of predictive modeling. In summary: An introduction to and some fundamentals for good analysis A process outline to make analysis quick and effective A description of some of the most used predictive models and methods, and how they relate to business questions Comprehensive "How To" sections, including step-by-step Excel tutorials and common pitfalls to avoid Our approach is as follows: First, introduce analysis fundamentals. These are the basics of doing good and accurate analysis, and it will be important to keep these principles in mind as you create predictive models. Second, explain the process that will allow you to follow some easy, predefined steps to creating your own predictive models. This is a "big-picture" process flow meant to give you a basic procedure to follow no matter what type of predictive model you need to create. Last, this guide gives you an in-depth look into various predictive modeling techniques, organized according to the type of data you have and the type of questions you're trying to answer. This section makes up the bulk of the book, and the explanation of each model tells you what the predictive model looks like, what it can be used for, the assumptions necessary to use the model, a process to follow to create it (including step-by-step instructions in Excel), an explanation of some common errors to watch for, and a section on analyzing your results. The modeling process you will learn is as follows: 1. Choose a predictive model according to the business question. 2. Check to see if all the conditions for the model are met. 3. Carry out the analysis. 4. Check for statistical significance and fit. 5. Validate the predictive model. 6. Refine the predictive model. The basic models we go over in this text: General Regression (linear, multivariate, exponential, logarithmic, polynomial, time series) Logistic Regression ANOVA (t-test, one and two-way ANOVA) Chi-Square These models cover four common prediction cases you will encounter: Predict a numerical outcome with numerical explanatory variables Predict a yes or no outcome with numerical explanatory variables Predict a numerical outcome with categorical explanatory variables Predict a categorical outcome with categorical explanatory variables What you will not get in this book: Complex statistical explanations Complex math Complex predictive models (read: machine learning is not covered) Python, R, or other coding languages used for modeling What you will get in this book: Simple statistics Simple math Simple predictive models Modeling procedures using Excel Suggestions on how to apply these to real business situations Also, this book may or may not mention wombats.

Decision Analytics Springer

Explains how to distil big data into manageable sets and use them

to optimise business and investment decisions. Reveals techniques to improve a wide range of decisions, and use simple Excel charts to grasp the results. Includes downloadable Excel workbooks to adapt to your own requirements.

Business Statistics for Competitive Advantage with Excel 2016 Que Publishing

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. This is learning made easy! Get productive fast with SharePoint 2016, and jump in wherever you need answers: brisk lessons and colorful screen shots show you exactly what to do, step by step – and practice files help you build your skills. Fully updated for today's powerful new version of SharePoint, Microsoft SharePoint 2016 Step by Step shows you how to do all this: Customize your team site's layout, features, and apps Manage and share ideas, documents, and data Capture and organize content into lists and libraries Automate business processes with built-in workflows Use social features to communicate and collaborate Work with SharePoint's business intelligence features Publish content using enhanced web content management Use SharePoint with Excel, Access, Outlook, and Lync And much more...

Bayesian Analysis with Excel and R John Wiley & Sons

Excel at predicting sales and forecasting trends using Microsoft Excel! If you're a sales or marketing professional, you know that forecasting sales is one of the biggest challenges you face on the job. Unlike other books on the subject, Excel Sales Forecasting For Dummies, 2nd Edition leaves arcane business school terms and complex algebraic equations at the door, focusing instead on what you can do right now to utilize the world's most popular spreadsheet program to produce forecasts you can rely on. Loaded with confidence boosters for anyone who succumbs to sweaty palms when sales predictions are mentioned, this trusted guide show you how to use the many tools Excel provides to arrange your past data, set up lists and pivot tables, use moving averages, and so much more. Before you know it, you'll become a forecaster par excellence—even if numbers aren't your jam. Choose the right forecasting method Find relationships in your data Predict seasonal sales Filter lists or turn them into charts Consider this guide your crystal ball—and start predicting the future with confidence and ease!

Business Analysis with Microsoft Excel Que Publishing

Forecasting is an integral part of almost all business enterprises. This book provides readers with the tools to analyze their data, develop forecasting models and present the results in Excel. Progressing from data collection, data presentation, to a step-by-step development of the forecasting techniques, this essential text covers techniques that include but not limited to time series-moving average, exponential smoothing, trending, simple and multiple regression, and Box-Jenkins. And unlike other products of its kind that require either high-priced statistical software or Excel add-ins, this book does not require such software. It can be used both as a primary text and as a supplementary text. Highlights the use of Excel screen shots, data tables, and graphs. Features Full Scale Use of Excel in Forecasting without the Use of Specialized Forecast Packages Includes Excel templates. Emphasizes the practical application of forecasting. Provides coverage of Special Forecasting, including New Product Forecasting, Network Models Forecasting, Links to Input/Output Modeling, and Combination of Forecasting.

Statistical Analysis John Wiley & Sons

Why are we all taught maths for years of our lives? Does it really empower everyone? Or fail most and disenfranchise many? Is it crucial for the AI age or an obsolete rite of passage? The Math(s) Fix: An Education Blueprint for the AI Age is a groundbreaking book that exposes why maths education is in crisis worldwide and how the only fix is a fundamentally new mainstream subject. It argues that today's maths education is not working to elevate society with modern computation, data science and AI. Instead, students are subjugated to compete with what computers do best, and lose. This is the only book to explain why being "bad at maths" may be as much the subject's fault as the learner's: how a stuck educational ecosystem has students, parents, teachers, schools, employers and policymakers running in the wrong direction to catch up with real-world requirements. But it goes further too"–,–"for the first time setting out a completely alternative vision for a core computational school subject to fix the problem and seed more general reformation of education for the AI age.

Even You Can Learn Statistics and Analytics Microsoft Press

Accurate, practical Excel predictive analysis: powerful smoothing techniques for serious data crunchers! In More Predictive Analytics, Microsoft Excel® MVP Conrad Carlberg shows how to use intuitive smoothing techniques to make remarkably accurate predictions. You won't have to write a line of code—all you need is Excel and this all-new, crystal-clear tutorial. Carlberg goes beyond his highly-praised Predictive Analytics, introducing proven methods for creating more specific, actionable forecasts. You'll learn how to predict what customers will spend on a given product next year... project how many patients your hospital will admit next quarter... tease out the effects of seasonality (or patterns that recur over a day, year, or any other period)...

distinguish real trends from mere “noise.” Drawing on more than 20 years of experience, Carlberg helps you master powerful techniques such as autocorrelation, differencing, Holt-Winters, backcasting, polynomial regression, exponential smoothing, and multiplicative modeling. Step by step, you’ll learn how to make the most of built-in Excel tools to gain far deeper insights from your data. To help you get better results faster, Carlberg provides downloadable Excel workbooks you can easily adapt for your own

projects. If you’re ready to make better forecasts for better decision-making, you’re ready for More Predictive Analytics. Discover when and how to use smoothing instead of regression. Test your data for trends and seasonality. Compare sets of observations with the autocorrelation function. Analyze trended time series with Excel’s Solver and Analysis ToolPak. Use Holt’s linear exponential smoothing to forecast the next level and trend,

and extend forecasts further into the future. Initialize your forecasts with a solid baseline. Improve your initial forecasts with backcasting and optimization. Fully reflect simple or complex seasonal patterns in your forecasts. Account for sudden, unexpected changes in trends, from fads to new viral infections. Use range names to control complex forecasting models more easily. Compare additive and multiplicative models, and use the right model for each task.

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