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This year, songbirds in the DC metro area also had to compete with the emergence of the 17-year-cicada. "It's a very exciting time to be a bio-acoustician," said Dana Moseley, a biology professor at ...

Can songbirds rise above din of 17-year cicada? JMU researcher wants to know

Routine immunization is recommended for adolescents aged 11–12 years by the Advisory Committee on Immunization Practices (ACIP) for protection against diseases including pertussis, meningococcal ...

National, Regional, State, and Selected Local Area Vaccination Coverage Among Adolescents Aged 13–17 Years — United States, 2014

And while exact national statistics on guardianship and abuse are hard to come by, older adults are particularly vulnerable to financial exploitation, according to data from the National Adult ...

'More Art' Than Science: Incapacity Findings Prone To Abuse

He's unsigned next season, but veteran Sharks prop Aiden Tolman showed there's still miles left in his legs with a strong VB Hard Earned effort in Sunday's win over the Warriors. A soggy Netstrata ...

Tolman shows there's plenty of miles left in veteran legs

The upstate New York city of Rochester has had 18.0 homicide victims per 100,000 residents so far this year — a higher rate than Chicago.

Rochester, NY outpaces Chicago in murder rate as local officials embrace police intervention
The Salt Lake Tribune and FRONTLINE reporters relied on police records and news reports to document each time a Utah officer fired his or her weapon from 2004 to 2020, tracking 318 shootings.

Most Never Shoot at Someone, But These 38 Utah Officers Have Pulled the Trigger Multiple Times
recorded its fastest 12-month growth on record since the Bureau of Labor Statistics began the dataset in November 2010. Still, many Fed officials insist that the high data readings are due to ...

FOMC preview: Inflationary pressures tempt taper talk
Rotten Tomatoes' critics' consensus states: "A mostly unqualified triumph for James Cameron, who offers a dizzying blend of spectacular visuals and old-fashioned melodrama." Chris Evans attends ...

30 Highest Grossing PG-13 Rated Movies of All Time
It's an eclectic Darley July Cup with colts, geldings, fillies, handicappers and trip droppers of all ages set to do battle at Newmarket – Ben Linfoot investigates the data.

July Cup: Crunching the numbers | Stats and facts ahead of the Newmarket G1
Loporchio said that, after an investigation, Fidelity found Evans's internal complaint to be "without merit." 17 At Morgan Stanley, just days after CEO James P. Gorman garnered praise last ...

The Dangers of Working While Black on Wall Street
According to the most recent police statistics, the number of people shot ... of the cuts it made to MPD funding last year. Ayolonda Evans, director of community response and education at the ...

Number of Gunshot Victims in Minneapolis is Up 90% From Last Year; Solutions Elusive
according to the latest Bureau of Statistics preliminary retail trade data. "The May result was heavily influenced by Victoria entering its fourth lockdown," Commonwealth Bank senior economist ...

ASX tumbles 1.8pc; CBA plummets after CommInsure sale
'The slowdown in credit growth is happening even faster than we had been anticipating a couple of months ago,' Julian Evans-Pritchard ... of Labor Statistics began tracking the data in ...

Weekly Commentary: Heels Dislodged
Commenting via the Science Media Centre, Professor James Naismith ... Office for National Statistics (ONS) data show the risk of COVID-19 infection after receiving a vaccine was greatest in ...

UK COVID-19 Update: Cases 'Rising Exponentially', Mandatory NHS Jabs Divide Opinion in Medscape UK Poll
Songbirds, especially those that live in urban areas like Washington, D.C., have a lot of competition when it comes to communicating their messages, from noises ...

JMU Researcher Wonders: Can Songbirds Rise Above Din of 17-Year Cicada?
Another measure of inflation, the Producer Price Index, recorded its fastest 12-month growth on record since the Bureau of Labor Statistics began the dataset in November 2010. Still, many Fed ...

FOMC preview: Inflationary pressures tempt taper talk
As the Britney Spears case shows, people who are found to be "incapacitated" can be stripped of their rights to basic self-determination. Some doctors, elder law attorneys and disability activists ...

'More Art' Than Science: Incapacity Findings Prone To Abuse
According to the most recent police statistics ... funded by the John S. and James L. Knight Foundation and the Corporation for Public Broadcasting. Star Tribune data journalist Jeff Hargarten ...

Introduction and background; Exploratory data analysis and graphics; Deterministic functions for ecological modeling; Probability and stochastic distributions for ecological modeling; Stochatsic simulation and power analysis; Likelihood and all that; Optimization and all that; Likelihood examples; Standar statistics revisited; Modeling variance; Dynamic models.

A balanced and holistic approach to business analytics 'Business Analytics', teaches the fundamental concepts of the emerging field of business analytics and provides vital tools in understanding how data analysis works in today's organizations. Students will learn to apply basic business analytics principles, communicate with analytics professionals, and effectively use and interpret analytic models to make better business decisions.

This text continues to provide a managerially-oriented, integrated view of the issues involved in total quality management. The Third Edition is strongly influenced by the Malcolm Baldrige National Quality Award criteria. New chapters have been added on current topics such as customer focus, leadership and strategic planning, measurement and information management, and quality management evaluation and assessment. Updating of all chapters ensures complete and timely coverage.

Scientific progress depends on good research, and good research needs good statistics. But statistical analysis is tricky to get right, even for the best and brightest of us. You'd be surprised how many scientists are doing it wrong. Statistics Done Wrong is a pithy, essential guide to statistical blunders in modern science that will show you how to keep your research blunder-free. You'll examine embarrassing errors and omissions in recent research, learn about the misconceptions and scientific politics that allow these mistakes to happen, and begin your quest to reform the way you and your peers do statistics. You'll find advice on: – Asking the right question, designing the right experiment, choosing the right statistical analysis, and sticking to the plan – How to think about p values, significance, insignificance, confidence intervals, and regression – Choosing the right sample size and avoiding false positives – Reporting your analysis and publishing your data and source code – Procedures to follow, precautions to take, and analytical software that can help Scientists: Read this concise, powerful guide to help you produce statistically sound research. Statisticians: Give this book to everyone you know. The first step toward statistics done right is Statistics Done Wrong.

R, an Open Source software, has become the de facto statistical computing environment. It has an excellent collection of data manipulation and graphics capabilities. It is extensible and comes with a large number of packages that allow statistical analysis at all levels – from simple to advanced – and in numerous fields including Medicine, Genetics, Biology, Environmental Sciences, Geology, Social Sciences and much more. The software is maintained and developed by academicians and professionals and as such, is continuously evolving and up to date. Statistics and Data with R presents an accessible guide to data manipulations, statistical analysis and graphics using R. Assuming no previous knowledge of statistics or R, the book includes: A comprehensive introduction to the R language. An integrated approach to importing and preparing data for analysis, exploring and analyzing the data, and presenting results. Over 300 examples, including detailed explanations of the R scripts used throughout. Over 100 moderately large data sets from disciplines ranging from Biology, Ecology and Environmental Science to Medicine, Law, Military and Social Sciences. A parallel discussion of analyses with the normal density, proportions (binomial), counts (Poisson) and bootstrap methods. Two extensive indexes that include

references to every R function (and its arguments and packages used in the book) and to every introduced concept.

Improve Your Analytical SkillsIncorporating the latest R packages as well as new case studies and applications, Using R and RStudio for Data Management, Statistical Analysis, and Graphics, Second Edition covers the aspects of R most often used by statistical analysts. New users of R will find the book's simple approach easy to understand while more

The second edition of a comprehensive state-of-the-art graduate level text on microeconometric methods, substantially revised and updated. The second edition of this acclaimed graduate text provides a unified treatment of two methods used in contemporary econometric research, cross section and data panel methods. By focusing on assumptions that can be given behavioral content, the book maintains an appropriate level of rigor while emphasizing intuitive thinking. The analysis covers both linear and nonlinear models, including models with dynamics and/or individual heterogeneity. In addition to general estimation frameworks (particular methods of moments and maximum likelihood), specific linear and nonlinear methods are covered in detail, including probit and logit models and their multivariate, Tobit models, models for count data, censored and missing data schemes, causal (or treatment) effects, and duration analysis. Econometric Analysis of Cross Section and Panel Data was the first graduate econometrics text to focus on microeconomic data structures, allowing assumptions to be separated into population and sampling assumptions. This second edition has been substantially updated and revised. Improvements include a broader class of models for missing data problems; more detailed treatment of cluster problems, an important topic for empirical researchers; expanded discussion of "generalized instrumental variables" (GIV) estimation; new coverage (based on the author's own recent research) of inverse probability weighting; a more complete framework for estimating treatment effects with panel data, and a firmly established link between econometric approaches to nonlinear panel data and the "generalized estimating equation" literature popular in statistics and other fields. New attention is given to explaining when particular econometric methods can be applied; the goal is not only to tell readers what does work, but why certain "obvious" procedures do not. The numerous included exercises, both theoretical and computer-based, allow the reader to extend methods covered in the text and discover new insights.

Packed with relevant, real-world illustrations and cases, QUALITY AND PERFORMANCE EXCELLENCE, 6e presents the basic principles and tools associated with quality and performance excellence through cutting-edge coverage that includes the latest thinking and practices from the field. This proven text has three primary objectives: familiarize students with the basic principles and methods, show how these principles and methods have been put into effect in a variety of organizations, and illustrate the relationship between basic principles and the popular theories and models studied in management courses. Extremely flexible and student friendly, the text is organized according to traditional management topics, helping students quickly see the connections between quality principles and management theories. Excellent case studies give students practical experience working with real-world issues. Many cases focus on large and small companies in manufacturing and service industries in North and South America, Europe, and Asia-Pacific. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

Development Research in Practice leads the reader through a complete empirical research project, providing links to continuously updated resources on the DIME Wiki as well as illustrative examples from the Demand for Safe Spaces study. The handbook is intended to train users of development data how to handle data effectively, efficiently, and ethically. " In the DIME Analytics Data Handbook, the DIME team has produced an extraordinary public good: a detailed, comprehensive, yet easy-to-read manual for how to manage a data-oriented research project from beginning to end. It offers everything

from big-picture guidance on the determinants of high-quality empirical research, to specific practical guidance on how to implement specific workflows—and includes computer code! I think it will prove durably useful to a broad range of researchers in international development and beyond, and I learned new practices that I plan on adopting in my own research group.† ?—Marshall Burke, Associate Professor, Department of Earth System Science, and Deputy Director, Center on Food Security and the Environment, Stanford University "Data are the essential ingredient in any research or evaluation project, yet there has been too little attention to standardized practices to ensure high-quality data collection, handling, documentation, and exchange. Development Research in Practice: The DIME Analytics Data Handbook seeks to fill that gap with practical guidance and tools, grounded in ethics and efficiency, for data management at every stage in a research project. This excellent resource sets a new standard for the field and is an essential reference for all empirical researchers.† ?—Ruth E. Levine, PhD, CEO, IDinsight "Development Research in Practice: The DIME Analytics Data Handbook is an important resource and a must-read for all development economists, empirical social scientists, and public policy analysts. Based on decades of pioneering work at the World Bank on data collection, measurement, and analysis, the handbook provides valuable tools to allow research teams to more efficiently and transparently manage their work flows—yielding more credible analytical conclusions as a result.† ?—Edward Miguel, Oxfam Professor in Environmental and Resource Economics and Faculty Director of the Center for Effective Global Action, University of California, Berkeley "The DIME Analytics Data Handbook is a must-read for any data-driven researcher looking to create credible research outcomes and policy advice. By meticulously describing detailed steps, from project planning via ethical and responsible code and data practices to the publication of research papers and associated replication packages, the DIME handbook makes the complexities of transparent and credible research easier.† ?—Lars Vilhuber, Data Editor, American Economic Association, and Executive Director, Labor Dynamics Institute, Cornell University

An observational study is an empiric investigation of effects caused by treatments when randomized experimentation is unethical or infeasible. Observational studies are common in most fields that study the effects of treatments on people, including medicine, economics, epidemiology, education, psychology, political science and sociology. The quality and strength of evidence provided by an observational study is determined largely by its design. Design of Observational Studies is both an introduction to statistical inference in observational studies and a detailed discussion of the principles that guide the design of observational studies. Design of Observational Studies is divided into four parts. Chapters 2, 3, and 5 of Part I cover concisely, in about one hundred pages, many of the ideas discussed in Rosenbaum's Observational Studies (also published by Springer) but in a less technical fashion. Part II discusses the practical aspects of using propensity scores and other tools to create a matched comparison that balances many covariates. Part II includes a chapter on matching in R. In Part III, the concept of design sensitivity is used to appraise the relative ability of competing designs to distinguish treatment effects from biases due to unmeasured covariates. Part IV discusses planning the analysis of an observational study, with particular reference to Sir Ronald Fisher's striking advice for observational studies, "make your theories elaborate." The second edition of his book, Observational Studies, was published by Springer in 2002.