

Statistik Mit R Eine Praxisorientierte Einführung

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STONE BROCK

Book of R SAGE

Marken bestimmen zunehmend den Wert eines Unternehmens. Zahlreiche Markenbeispiele sowie sechs ausführliche Unternehmensdarstellungen zeigen, wie es gelingt, Image und Auftritt des Unternehmens systematisch deutlich zu verbessern - und somit den Marktwert zu steigern.

Statistics with R Hogrefe Verlag GmbH & Company KG
 Die Planung und Durchführung statistischer Erhebungen sind zwei bedeutende Phasen im Gesamtprozess einer statistischen Untersuchung und durch die nationalen Bildungsstandards verbindliche Unterrichtsinhalte der Sekundarstufen I und II. Candy Walter liefert mithilfe einer qualitativen Interviewstudie Hinweise, welche Schwierigkeiten und Fehler bei Schülerinnen und Schülern der Jahrgangsstufen 9 und 10 verschiedener Realschulen und Gymnasien vorliegen können, die sich mit Aufgabenstellungen zum statistischen Planen auseinandersetzen. Darüber hinaus entwickelt der Autor ausgehend von theoretischen Phasenmodellen, die das Vorgehen beim Planen statistischer Untersuchungen im Rahmen der Betriebswirtschaftslehre und der Verkehrsentwicklungsplanung verdeutlichen, mit etablierten Methoden der didaktischen Reduktion ein eigenes Phasenmodell, welches als Leitfaden für den Mathematikunterricht genutzt werden kann.

Logistikmanagement OUP Oxford

Statistische Konzepte aus der Perspektive von Data Scientists erläutert Das Buch stellt die Verbindung zwischen nützlichen statistischen Prinzipien und der heutigen Datenanalyse-Praxis her Ermöglicht Data Scientists, ihr Wissen über Statistik auf ein neues Level zu bringen Übersetzung der 2. Auflage des US-Bestsellers mit Beispielen in Python und R Statistische Methoden sind ein zentraler Bestandteil der Arbeit mit Daten, doch nur wenige Data Scientists haben eine formale statistische Ausbildung. In Kursen und Büchern über die Grundlagen der Statistik wird das Thema aber selten aus der Sicht von Data Scientists behandelt. Viele stellen daher fest, dass ihnen eine tiefere statistische Perspektive auf ihre Daten fehlt. Dieses praxisorientierte Handbuch mit zahlreichen Beispielen in Python und R erklärt Ihnen, wie Sie verschiedene statistische Methoden speziell in den Datenwissenschaften anwenden. Es zeigt Ihnen auch, wie Sie den falschen Gebrauch von statistischen Methoden vermeiden können, und gibt Ratschläge, welche statistischen Konzepte für die Datenwissenschaften besonders relevant sind. Wenn Sie mit R oder Python vertraut sind, ermöglicht diese zugängliche, gut lesbare Referenz es Ihnen, Ihr statistisches Wissen für die Praxis

deutlich auszubauen.

The R Book UTB

The second edition of a bestselling textbook, Using R for Introductory Statistics guides students through the basics of R, helping them overcome the sometimes steep learning curve. The author does this by breaking the material down into small, task-oriented steps. The second edition maintains the features that made the first edition so popular, while updating data, examples, and changes to R in line with the current version. See What's New in the Second Edition: Increased emphasis on more idiomatic R provides a grounding in the functionality of base R. Discussions of the use of RStudio helps new R users avoid as many pitfalls as possible. Use of knitr package makes code easier to read and therefore easier to reason about. Additional information on computer-intensive approaches motivates the traditional approach. Updated examples and data make the information current and topical. The book has an accompanying package, UsingR, available from CRAN, R's repository of user-contributed packages. The package contains the data sets mentioned in the text (`data(package="UsingR")`), answers to selected problems (`answers()`), a few demonstrations (`demo()`), the errata (`errata()`), and sample code from the text. The topics of this text line up closely with traditional teaching progression; however, the book also highlights computer-intensive approaches to motivate the more traditional approach. The authors emphasize realistic data and examples and rely on visualization techniques to gather insight. They introduce statistics and R seamlessly, giving students the tools they need to use R and the information they need to navigate the sometimes complex world of statistical computing.

R CRC Press

Suitable for a compact course or self-study, Computational Statistics: An Introduction to R illustrates how to use the freely available R software package for data analysis, statistical programming, and graphics. Integrating R code and examples throughout, the text only requires basic knowledge of statistics and computing. This introduction covers one-sample analysis and distribution diagnostics, regression, two-sample problems and comparison of distributions, and multivariate analysis. It uses a range of examples to demonstrate how R can be employed to tackle statistical problems. In addition, the handy appendix includes a collection of R language elements and functions, serving as a quick reference and starting point to access the rich information that comes bundled with R. Accessible to a broad audience, this book explores key topics in data analysis, regression, statistical distributions, and multivariate statistics. Full of examples and with a color insert, it helps readers become familiar with R.

Statistik mit R Murmann Publishers GmbH

Choice Outstanding Academic Title Award Winner The dynamic, student focused textbook provides step-by-step instruction in the use of R and of statistical language as a general research tool. It is ideal for anyone hoping to: Complete an introductory course in statistics Prepare for more advanced statistical courses Gain the transferable analytical skills needed to interpret research from across the social sciences Learn the technical skills needed to present data visually Acquire a basic competence in the use of R. The book provides readers with the conceptual foundation to use applied statistical methods in everyday research. Each statistical method is developed within the context of practical, real-world examples and is supported by carefully developed pedagogy and jargon-free definitions. Theory is introduced as an accessible and adaptable tool and is always contextualized within the pragmatic context of real research projects and definable research questions. Author Robert Stinerock has also created a wide range of online resources, including: R scripts, complete solutions for all exercises, data files for each chapter, video and screen casts, and interactive multiple-choice quizzes.

Interpretation und Bewertung pädagogischer und psychologischer Studien Springer-Verlag

R is open source statistical computing software. Since the R core group was formed in 1997, R has been extended by a very large number of packages with extensive documentation along with examples freely available on the internet. It offers a large number of statistical and numerical methods and graphical tools and visualization of extraordinarily high quality. R was recently ranked in 14th place by the Transparent Language Popularity Index and 6th as a scripting language, after PHP, Python, and Perl. The book is designed so that it can be used right away by novices while appealing to experienced users as well. Each article begins with a data example that can be downloaded directly from the R website. Data analysis questions are articulated following the presentation of the data. The necessary R commands are spelled out and executed and the output is presented and discussed. Other examples of data sets with a different flavor and different set of commands but following the theme of the article are presented as well. Each chapter presents a hands-on-experience. R has superb graphical outlays and the book brings out the essentials in this arena. The end user can benefit immensely by applying the graphics to enhance research findings. The core statistical methodologies such as regression, survival analysis, and discrete data are all covered. - Addresses data examples that can be downloaded directly from the R website - No other source is needed to gain practical experience - Focus on the essentials in graphical outlays

Statistical Analysis with R For Dummies Springer

A start-to-finish guide to one of the most useful programming languages for researchers in a variety of fields. In the newly revised Third Edition of *The R Book*, a team of distinguished teachers and researchers delivers a user-friendly and comprehensive discussion of foundational and advanced topics in the R software language, which is used widely in science, engineering, medicine, economics, and other fields. The book is designed to be used as both a complete text—readable from cover to cover—and as a reference manual for practitioners seeking authoritative guidance on particular topics. This latest edition offers instruction on the use of the RStudio GUI, an easy-to-use environment for those new to R. It provides readers with a complete walkthrough of the R language, beginning at a point that assumes no prior knowledge of R and very little previous knowledge of statistics. Readers will also find: A thorough introduction to fundamental concepts in statistics and step-by-step roadmaps to their implementation in R; Comprehensive explorations of worked examples in R; A complementary companion website with downloadable datasets that are used in the book; In-depth examination of essential R packages. Perfect for undergraduate and postgraduate students of science, engineering, medicine, economics, and geography, *The R Book* will also earn a place in the libraries of social sciences professionals.

Modern Data Science with R John Wiley & Sons

Das Thema Nachhaltigkeit ist aus der Wirtschaft nicht mehr wegzudenken. Vor dem Hintergrund der Energiewende rücken alternative Technologien wie Wasserstoff und Photovoltaik in den Fokus, mit denen neue Risiken einhergehen. Regelungen wie das Lieferkettengesetz fordern Unternehmen aller Branchen dazu auf, zeitnah zu handeln. Gleichmaßen führt der Fachkräftemangel dazu, dass Unternehmen noch stärker als bisher auf soziale Standards und ihre Reputation achten. Funk als einer der führenden internationalen Versicherungsmakler und Risk Consultants in Europa versammelt in »Zukunftssicher #23« renommierte Fachautor*innen aus der Versicherungswirtschaft, Industrie und Wissenschaft. Anhand der drei Nachhaltigkeitsaspekte ESG – Environment (Umwelt), Social (Soziales) und Governance (Unternehmensführung) – gibt Funk in drei Kapiteln einen fundierten Überblick zu aktuellen Entwicklungen. Praxisbeispiele zeigen dabei ganz konkrete, innovative und skalierbare Lösungen – damit Nachhaltigkeit vom Risiko- zum Erfolgsfaktor wird.

Biostatistik Springer-Verlag

R is dynamic, to say the least. More precisely, it is organic, with new functionality and add-on packages appearing constantly. And because of its open-source nature and free availability, R is quickly becoming the software of choice for statistical analysis in a variety of fields. Doing for R what Everitt's other Handbooks have done for S-PLUS, STATA, SPSS, and SAS, *A Handbook of Statistical Analyses Using R* presents straightforward, self-contained descriptions of how to perform a variety of statistical analyses in the R environment. From simple inference to recursive partitioning and cluster analysis, eminent experts Everitt and Hothorn lead you methodically through the steps, commands, and interpretation of the results, addressing theory and statistical background only when useful or necessary. They begin with an introduction to R, discussing the syntax, general operators, and basic data manipulation while summarizing the most important features. Numerous figures highlight R's strong graphical capabilities and exercises at the end of each chapter reinforce the techniques and concepts presented. All data sets and code used in the book are available as a downloadable package from CRAN, the R online archive. *A Handbook of Statistical Analyses Using R* is the perfect guide for newcomers as well as seasoned users of R who want concrete, step-by-step guidance on how to use the software easily and effectively for nearly any statistical analysis. *Komplexe regressionsanalytische Verfahren* Chapman and Hall/CRC

Although there are currently a wide variety of software packages suitable for the modern statistician, R has the triple advantage of being comprehensive, widespread, and free. Published in 2008, the second edition of *Statistiques avec R* enjoyed great success as an R guidebook in the French-speaking world. Translated and updated, *R for Statistics in*

Umfrage Springer Science & Business Media

Modern Data Science with R is a comprehensive data science textbook for undergraduates that incorporates statistical and computational thinking to solve real-world problems with data. Rather than focus exclusively on case studies or programming syntax, this book illustrates how statistical programming in the state-of-the-art R/RStudio computing environment can be leveraged to extract meaningful information from a variety of data in the service of addressing compelling statistical questions. Contemporary data science requires a tight integration of knowledge from statistics, computer science, mathematics, and a domain of application. This book will help readers with some background in statistics and modest prior experience with coding

develop and practice the appropriate skills to tackle complex data science projects. The book features a number of exercises and has a flexible organization conducive to teaching a variety of semester courses.

Using R for Introductory Statistics Springer Science & Business Media

Digital transformation has companies firmly in its grip. Digitalization has a multidimensional impact on the management accounting function and is changing management accounting processes, controlling methods and the role of the management accountant. This edited work shows how the opportunities of digitalization can be used in a way that adds value to the management accounting function. The authors describe individual dimensions of digitalization in management accounting and convey the necessary fundamentals and concepts. Use cases from controlling practice complement the theoretical foundations and show cross-industry approaches to solutions.

Managementorientierte Informations- und Kennzahlensysteme für Krankenhäuser Simon and Schuster

Mit der Statistik verhält es sich so wie mit der Stadt New York – entweder man liebt sie, oder man hasst sie. Was hat diese Feststellung jedoch mit vorliegendem Buch zu tun? Im Laufe der letzten Jahrzehnte hat sich die Geographie von ihrer länderkundlichen Betrachtungsweise umorientiert und ist um zahlreiche Schwerpunkte und Zugänge erweitert worden, etwa der Implementierung (geo-)technologischer Methoden, GIS und Fernerkundung, der Modellierung von Naturphänomenen oder sozialgeographischer Fragestellungen. Für etliche Aspekte benötigt man Kenntnisse in Statistik. Wie kann es gelingen, Studierende für diesen Themenbereich zu begeistern, der oftmals seit der Schule mit Respekt oder sogar Abneigung begegnet wird? Im Gegensatz zu technologischen bzw. mathematischen Inhalten eint sämtliche Geographinnen und Geographen die Begeisterung für eine Facette: die fürs Reisen. Warum also nicht Herausforderung und Begeisterung miteinander verbinden? Dieses Buch führt Sie auf eine Entdeckungsreise, eine Exkursion. Das Ziel der Reise ist das Verständnis der deskriptiven Statistik. Eingepackt in ausführliche Reisevor- und Nachbereitungen, die sowohl die Datengewinnung wie auch deren Visualisierung umfassen, führt Sie die Exkursion in einzelnen Etappen durch wichtige Kernelemente der beschreibenden Statistik. Dabei wird Unbekanntes mit Bekanntem verbunden, Unentdecktes schmackhaft aufbereitet und ein etwas „anderer“ Blickwinkel geschärft. Neugierig geworden? Dann nehmen Sie an dieser Entdeckungsreise teil und erkunden Sie die Grundlagen der Statistik. Eine gute Reise!

Computational Statistics with R John Wiley & Sons

Like the best-selling first two editions, *A Handbook of Statistical Analyses using R*, Third Edition provides an up-to-date guide to data analysis using the R system for statistical computing. The book explains how to conduct a range of statistical analyses, from simple inference to recursive partitioning to cluster analysis. New to the Third Edition Three new chapters on quantile regression, missing values, and Bayesian inference Extra material in the logistic regression chapter that describes a regression model for ordered categorical response variables Additional exercises More detailed explanations of R code New section in each chapter summarizing the results of the analyses Updated version of the HSAUR package (HSAUR3), which includes some slides that can be used in introductory statistics courses Whether you're a data analyst, scientist, or student, this handbook shows you how to easily use R to effectively evaluate your data. With numerous real-world examples, it emphasizes the practical application and interpretation of results.

R For Dummies CRC Press

- Alle Grundlagen für den Einsatz von R in Studium und Praxis - Die gängigsten Datenvisualisierungen und Datenanalyseverfahren - Mit praktischer Nachschlagehilfe für die einzelnen Verfahren Mit diesem Buch gelingt Ihnen der einfache Einstieg in die statistische Analyse mit der Programmiersprache R. Alle Grundlagen werden in 14 Kapiteln anschaulich und leicht nachvollziehbar anhand von praktischen Beispielen erläutert. Der Autor führt Sie Schritt für Schritt in die Datenanalyse mit R ein: von den Grundlagen zu Syntax und Datentypen über die Verwendung der grafischen Benutzungsoberfläche RStudio bis hin zur Erstellung von Diagrammen sowie analytischen Verfahren zum Prüfen von Veränderungen, Unterschieden und Zusammenhängen. Eine praktische Übersicht hilft Ihnen, die passenden Verfahren für jede Aufgabenstellung schnell nachzuschlagen und einfach anzuwenden. Grundlegende Statistik-Kenntnisse werden vorausgesetzt.

Praktische Statistik für Data Scientists O'Reilly

Annotation This is a practical, step by step guide that will help you to quickly become proficient in the data analysis using R. The book is packed with clear examples, screenshots, and code to carry on your data analysis without any hurdle. If you are a data

analyst, business or information technology professional, student, educator, researcher, or anyone else who wants to learn to analyze the data effectively then this book is for you. No prior experience with R is necessary. Knowledge of other programming languages, software packages, or statistics may be helpful, but is not required.

Der Markendiamant John Wiley & Sons

Einführung in die Methoden und Techniken der quantitativen Befragung, die es praxisnah und gleichzeitig methodenkritisch insbesondere Anfängern erleichtert, selbst ein Umfrageprojekt durchzuführen, und die es den Konsumenten von Befragungsergebnissen leichter macht, die Methoden der Datengewinnung nachvollziehen und die Qualität der Ergebnisse zu beurteilen.

Arbeit und Arbeitsrecht O'Reilly

R is the most powerful tool you can use for statistical analysis. This definitive guide smooths R's steep learning curve with practical solutions and real-world applications for commercial environments. In *R in Action*, Third Edition you will learn how to: Set up and install R and RStudio Clean, manage, and analyze data with R Use the ggplot2 package for graphs and visualizations Solve data management problems using R functions Fit and interpret regression models Test hypotheses and estimate confidence Simplify complex multivariate data with principal components and exploratory factor analysis Make predictions using time series forecasting Create dynamic reports and stunning visualizations Techniques for debugging programs and creating packages *R in Action*, Third Edition makes learning R quick and easy. That's why thousands of data scientists have chosen this guide to help them master the powerful language. Far from being a dry academic tome, every example you'll encounter in this book is relevant to scientific and business developers, and helps you solve common data challenges. R expert Rob Kabacoff takes you on a crash course in statistics, from dealing with messy and incomplete data to creating stunning visualizations. This revised and expanded third edition contains fresh coverage of the new tidyverse approach to data analysis and R's state-of-the-art graphing capabilities with the ggplot2 package. About the technology Used daily by data scientists, researchers, and quants of all types, R is the gold standard for statistical data analysis. This free and open source language includes packages for everything from advanced data visualization to deep learning. Instantly comfortable for mathematically minded users, R easily handles practical problems without forcing you to think like a software engineer. About the book *R in Action*, Third Edition teaches you how to do statistical analysis and data visualization using R and its popular tidyverse packages. In it, you'll investigate real-world data challenges, including forecasting, data mining, and dynamic report writing. This revised third edition adds new coverage for graphing with ggplot2, along with examples for machine learning topics like clustering, classification, and time series analysis. What's inside Clean, manage, and analyze data Use the ggplot2 package for graphs and visualizations Techniques for debugging programs and creating packages A complete learning resource for R and tidyverse About the reader Requires basic math and statistics. No prior experience with R needed. About the author Dr. Robert I Kabacoff is a professor of quantitative analytics at Wesleyan University and a seasoned data scientist with more than 20 years of experience. Table of Contents PART 1 GETTING STARTED 1 Introduction to R 2 Creating a dataset 3 Basic data management 4 Getting started with graphs 5 Advanced data management PART 2 BASIC METHODS 6 Basic graphs 7 Basic statistics PART 3 INTERMEDIATE METHODS 8 Regression 9 Analysis of variance 10 Power analysis 11 Intermediate graphs 12 Resampling statistics and bootstrapping PART 4 ADVANCED METHODS 13 Generalized linear models 14 Principal components and factor analysis 15 Time series 16 Cluster analysis 17 Classification 18 Advanced methods for missing data PART 5 EXPANDING YOUR SKILLS 19 Advanced graphs 20 Advanced programming 21 Creating dynamic reports 22 Creating a package *R for Statistics* MITP-Verlags GmbH & Co. KG This book provides an elementary-level introduction to R, targeting both non-statistician scientists in various fields and students of statistics. The main mode of presentation is via code examples with liberal commenting of the code and the output, from the computational as well as the statistical viewpoint. Brief sections introduce the statistical methods before they are used. A supplementary R package can be downloaded and contains the data sets. All examples are directly runnable and all graphics in the text are generated from the examples. The statistical methodology covered includes statistical standard distributions, one- and two-sample tests with continuous data, regression analysis, one- and two-way analysis of variance, regression analysis, analysis of tabular data, and sample size calculations. In addition, the last four chapters contain introductions to multiple linear regression analysis, linear models in general, logistic regression, and survival analysis.

Best Sellers - Books :

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- [I'm Glad My Mom Died](#)

- [The Subtle Art Of Not Giving A F*ck: A Counterintuitive Approach To Living A Good Life](#)
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