

# Discovering Statistics Using Spss For Windows Advanced Techniques For Beginners Introducing Statistical Methods Series

Now with a new companion website! Using IBM® SPSS® Statistics: An Interactive Hands-On Approach, Third Edition gives readers an accessible and comprehensive guide to walking through SPSS®, providing them with step-by-step knowledge for effectively analyzing their data. From entering data to working with existing databases, and working with the help menu through performing factor analysis, Using IBM® SPSS® Statistics covers every aspect of SPSS® from introductory through intermediate statistics. The book is divided into parts that focus on mastering SPSS® basics, dealing with univariate statistics and graphing, inferential statistics, relational statistics, and more. Written using IBM® SPSS® version 25 and 24, and compatible with the earlier releases, this book is one of the most comprehensive SPSS® guides available.

Packed with real-world illustrations and the latest data available, BASIC STATISTICS FOR THE BEHAVIORAL SCIENCES, 7e demystifies and fully explains statistics in a lively, reader-friendly format. The author's clear, patiently crafted explanations with an occasional touch of humor, teach readers not only how to compute an answer but also why they should perform the procedure or what their answer reveals about the data. Offering a conceptual-intuitive approach, this popular book presents statistics within an understandable research context,

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deals directly and positively with potential weaknesses in mathematics, and introduces new terms and concepts in an integrated way. Available with InfoTrac Student Collections <http://gocengage.com/infotrac>. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

Using IBM® SPSS® Statistics for Research Methods and Social Science Statistics is the perfect companion for students who are learning to use SPSS® software to interpret and manage data within their social statistics and/or research methods courses. Both first-time and more experienced SPSS® users will appreciate author William E. Wagner, III's step-by-step explanations of SPSS® operating procedures and introductory statistical operations. The Seventh Edition reflects SPSS® Version 25.0 and incorporates the latest results from the General Social Survey (GSS) as a secondary data set. Using examples, tables, and actual SPSS® screen captures, it guides users through several different kinds of SPSS® files including data files, output files, and syntax files.

“Field has introduced important new introductory material on statistics... This book is the best blend that I know of a textbook in statistics and a manual on SPSS.” —David C. Howell, University of Vermont (Emeritus) Students can now purchase the bestselling Discovering Statistics Using SPSS, Third Edition as a bundle that includes a copy of both IBM SPSS Statistics Student Version 18.0 and Wagner's Using SPSS for Social Statistics and Research Methods, Third Edition! Please contact your Sales Representative for more information! Discovering Statistics Using SPSS, Third Edition Written in his vivid and entertaining style, Andy Field continues to provide students with everything they need to understand, use and report statistics—at every level—in the brand-new Third Edition of Discovering Statistics Using

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SPSS. Retaining the strong pedagogy from previous editions, he makes statistics meaningful by including playful examples from everyday student life (among other places), creating a gateway into the often intimidating world of statistics. In the process, he presents an opportunity for students to ground their knowledge of statistics through the use of SPSS. Using SPSS for Social Statistics and Research Methods, Third Edition Ideal as a companion to a statistics or research methods text or as a stand-alone guide, this book uses images and directions drawn directly from SPSS/PASW Version 18.0 (for both PC and Mac computers) to teach undergraduate students how to use the software to manage data or to conduct statistical data analysis. This fully updated pocket-size guide addresses a wide variety of data analysis topics, making it useful for the classroom or for independent study, and offers a number of useful insider tips and hints for students. The Third Edition also offers the use of a dataset from the latest version of the General Social Survey (GSS). About IBM SPSS Statistics Student Version 18.0 The SPSS Statistics Student Version (IBM SPSS Statistics Student Version) allows up to 50 variables and 1,500 cases. This PC and Mac -compatible DVD is for student home use only and access expires 13 months after first installation. It does not include SPSS Statistics command syntax, scripting, or automation capabilities. Additional modules cannot be used with this package. Please note that IBM SPSS Statistics Student Version differs from the full IBM SPSS Statistics Faculty Pack available on most university campuses designed for academic teaching use only.

This new edition of Field's textbook provides students of statistical methods with everything they need to understand, use and report statistics - at every level. Written in Andy Field's vivid and entertaining style, and furnished with playful examples from everyday student life (among

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other places), the book forms an accessible gateway into the often intimidating world of statistics and a unique opportunity for students to ground their knowledge of statistics through the use of SPSS. The text is fully compliant with the latest release of SPSS (version 13). Key updates in the new edition: More.

Get the Statistics Book That's Sweeping the Nation! Appropriate for All Levels--Undergraduate to Doctorate Programs in Every Discipline! This new edition of Field's bestselling textbook provides students of statistical methods with everything they need to understand, use and report statistics - at every level. Written in Andy Field's vivid and entertaining style, and furnished with playful examples from everyday student life (among other places), the book forms an accessible gateway into the often intimidating world of statistics and a unique opportunity for students to ground their knowledge of statistics through the use of SPSS. The text is fully compliant with the latest release of SPSS (version 13). Key updates in Second Edition: - More coverage with completely new material on non-parametric statistics, loglinear analysis, effect sizes and how to report statistical analysis - Even more student-friendly features, including a glossary of key statistical terms and exercises at the end of chapters for students to work through, with datasets and answers to chapter exercises on the accompanying CD-ROM - A larger and more easy-to-reference format: notation in each section identifies the intended level of study while the new 2-color text design enhances the features in the book and, together with the larger format, provides extra clarity throughout - A companion website is available at [www.sagepub.co.uk/field](http://www.sagepub.co.uk/field), containing resources for both students and instructors: a testbank of MCQs for students to test their own knowledge; online glossary in flash card format; multiple choice questions and answers to use for class assessment -

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available on restricted access basis to instructors via entry password; and PowerPoint Slides of all formatted artwork in the textbook for instructors to include in their own lecture slides. Andy Field is a Senior Lecturer in Psychology at The University of Sussex, U.K. where his success in making statistics accessible was recognized with a teaching award in 2001. "The Second Edition of Andy Field's Discovering Statistics Using SPSS is an excellent book and a valuable addition to the teaching of statistics in the behavioral sciences. The title of the book accurately reflects the approach taken. This is not simply a primer on how to use SPSS, but is a very good statistics text using SPSS as a vehicle for illustrating and expanding on the statistical content of the book. At the same time it also serves as a manual for SPSS, and has taught me things that I had not known about the software. I find this flexible approach to the blending of content and software to be an effective way of teaching the material. It is impossible to review this book without commenting on Andy's particular style. I enjoyed it immensely and think that it would appeal to both students and their instructors. It is refreshing to see someone who doesn't take himself too seriously." -- David C Howell, Professor Emeritus, University of Vermont

The introduction to statistics that psychology students can't afford to be without Understanding statistics is a requirement for obtaining and making the most of a degree in psychology, a fact of life that often takes first year psychology students by surprise. Filled with jargon-free explanations and real-life examples, Psychology Statistics For Dummies makes the often-confusing world of statistics a lot less baffling, and provides you with the step-by-step instructions necessary for carrying out data analysis. Psychology Statistics For Dummies: Serves as an easily accessible supplement to doorstop-sized psychology textbooks Provides

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psychology students with psychology-specific statistics instruction Includes clear explanations and instruction on performing statistical analysis Teaches students how to analyze their data with SPSS, the most widely used statistical packages among students

With an exciting new look, math diagnostic tool, and a research roadmap to navigate projects, this new edition of Andy Field's award-winning text offers a unique combination of humor and step-by-step instruction to make learning statistics compelling and accessible to even the most anxious of students. The Fifth Edition takes students from initial theory to regression, factor analysis, and multilevel modeling, fully incorporating IBM SPSS Statistics© version 25 and fascinating examples throughout. SAGE edge offers a robust online environment featuring an impressive array of free tools and resources for review, study, and further exploration, keeping both instructors and students on the cutting edge of teaching and learning. Course cartridges available for Blackboard and Moodle. Learn more at [edge.sagepub.com/field5e](http://edge.sagepub.com/field5e) Stay Connected Connect with us on Facebook and share your experiences with Andy's texts, check out news, access free stuff, see photos, watch videos, learn about competitions, and much more. Video Links Go behind the scenes and learn more about the man behind the book at Andy's YouTube channel Andy Field is the award winning author of *An Adventure in Statistics: The Reality Enigma* and is the recipient of the UK

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National Teaching Fellowship (2010), British Psychological Society book award (2006), and has been recognized with local and national teaching awards (University of Sussex, 2015, 2016).

“Field has introduced important new introductory material on statistics... This book is the best blend that I know of a textbook in statistics and a manual on SPSS.” —David C. Howell, University of Vermont (Emeritus) Students can now purchase the bestselling *Discovering Statistics Using SPSS, Third Edition* as a bundle that includes a copy of Wagner's *Using IBM® SPSS® Statistics for Social Statistics and Research Methods, Third Edition*. Please contact your Sales Representative for more information! *Discovering Statistics Using SPSS, Third Edition* Written in his vivid and entertaining style, Andy Field continues to provide students with everything they need to understand, use and report statistics—at every level—in the brand-new *Third Edition* of *Discovering Statistics Using SPSS*. Retaining the strong pedagogy from previous editions, he makes statistics meaningful by including playful examples from everyday student life (among other places), creating a gateway into the often intimidating world of statistics. In the process, he presents an opportunity for students to ground their knowledge of statistics through the use of SPSS. *Using SPSS for Social Statistics and Research Methods, Third Edition* Ideal as a companion to a statistics or research

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methods text or as a stand-alone guide, this book uses images and directions drawn directly from SPSS/PASW Version 18.0 (for both PC and Mac computers) to teach undergraduate students how to use the software to manage data or to conduct statistical data analysis. This fully updated pocket-size guide addresses a wide variety of data analysis topics, making it useful for the classroom or for independent study, and offers a number of useful insider tips and hints for students. The Third Edition also offers the use of a dataset from the latest version of the General Social Survey (GSS).

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'In this brilliant new edition Andy Field has introduced important new introductory material on statistics that the student will need and was missing at least in the first edition. This book is the best blend that I know of a textbook in statistics and a manual on SPSS. It is a balanced composite of both topics, using SPSS to illustrate important statistical material and, through graphics, to make visible important approaches to data analysis. There are many places in the book where

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I had to laugh, and that's saying a lot for a book on statistics. His excellent style engages the reader and makes reading about statistics fun' - David C Howell, Professor Emeritus, University of Vermont USA This award-winning text, now fully updated with SPSS Statistics, is the only book on statistics that you will need! Fully revised and restructured, this new edition is even more accessible as it now takes students through from introductory to advanced level concepts, all the while grounding knowledge through the use of SPSS Statistics. Andy Field's humorous and self-deprecating style and the book's host of characters make the journey entertaining as well as educational. While still providing a very comprehensive collection of statistical methods, tests and procedures, and packed with examples and self-assessment tests to reinforce knowledge, the new edition now also offers: - a more gentle introduction to basic-level concepts and methods for beginners - new textbook features to make the book more user-friendly for those learning about more advanced concepts, encouraging 'critical thinking' - a brand new, full-colour design, making it easy for students to navigate between topics, and to understand how to use the latest version of SPSS Statistics - both 'real world' (the bizarre and the wonderful) and invented examples illustrate the concepts and make the techniques come alive for students - an additional chapter on multilevel modelling for advanced-level

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students - reinforced binding to make the book easier to handle at a computer workstation. The book also includes access to a brand new and improved companion Website, bursting with features including: - animated 'SPSS walk-through' videos clearly demonstrating how to use the latest SPSS Statistics modules - self-marking multiple choice questions - data sets for psychology, business and management and health sciences - a flash-card glossary for testing knowledge of key concepts - access to support material from SAGE study skills books. Statistics lecturers are also provided with a whole range of resources and teaching aids, including: - the test bank - over 300 multiple-choice questions ready to upload to WebCT, Blackboard or other virtual learning environments - charts and diagrams in electronic format for inclusion in lecture slides - PowerPoint slides written by the author to accompany chapters of the text. Written in a clear and lively tone, Statistics Using IBM SPSS provides a data-centric approach to statistics with integrated SPSS (version 22) commands, ensuring that students gain both a deep conceptual understanding of statistics and practical facility with the leading statistical software package. With one hundred worked examples, the textbook guides students through statistical practice using real data and avoids complicated mathematics. Numerous end-of-chapter exercises allow students to apply and test their understanding of chapter

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topics, with detailed answers available online. The third edition has been updated throughout and includes a new chapter on research design, new topics (including weighted mean, resampling with the bootstrap, the role of the syntax file in workflow management, and regression to the mean) and new examples and exercises. Student learning is supported by a rich suite of online resources, including answers to end-of-chapter exercises, real data sets, PowerPoint slides, and a test bank.

Lecturers/instructors - request a free digital inspection copy here With a little help from his weird band of characters the Fourth Edition of the award-winning book continues, with its unique blend of humour and collection of bizarre examples, to bring statistics - from first principles to advanced concepts - well and truly to life using IBM SPSS Statistics. Lecturers: with WebAssign® you can manage and monitor your students' progress quickly and easily online or give them more opportunities to practise! Ideal for short courses, choose to use WebAssign® alongside the Fourth Edition of Andy Field's textbook to quickly set up courses and schedule assignments (using the 2159 questions available) and track individual performance so you can spot in an instant where more instruction or practice is needed. If not using for formal assessment, WebAssign® still lets you set questions for your students to practise over and over again. They get instant

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include: Now fully compatible with recent IBM SPSS Statistics releases. Two new characters! Statistical cult leader Odi provides students with access to video clips via his Lantern to help further understanding of statistical/SPSS concepts, while Confusius helps students to make better sense of statistical terms. The enhanced Companion Website offers plenty of lecturer and student material to use in conjunction with the textbook. These include PowerPoints and subject-specific testbanks for lecturers as well as answers to the Smart Alex tasks at the end of the each chapter; datafiles for testing problems in SPSS; flashcards of key concepts; self-assessment multiple-choice questions; and online videos of key statistical and SPSS procedures discussed in the textbook for students. Video Links Go behind the scenes of the Fourth Edition, and find out about the man behind the book Watch Andy introduce SAGE MobileStudy Ask Andy Anything: Teaching stats... and Robbie Williams' head Ask Andy Anything: Gibson or Fender Ask Andy Anything: The one part of the book Andy hated writing Available with Perusall—an eBook that makes it easier to prepare for class Perusall is an award-winning eBook platform featuring social annotation tools that allow students and instructors to collaboratively mark up and discuss their SAGE textbook. Backed by research and supported by technological innovations developed at Harvard University, this process of learning through collaborative

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annotation keeps your students engaged and makes teaching easier and more effective. Learn more.

The SPSS Survival Manual throws a lifeline to students and researchers grappling with this powerful data analysis software. In her bestselling guide, Julie Pallant takes you through the entire research process, helping you choose the right data analysis technique for your project. This edition has been updated to include up to SPSS version 26. From the formulation of research questions, to the design of the study and analysis of data, to reporting the results, Julie discusses basic and advanced statistical techniques. She outlines each technique clearly, with step-by-step procedures for performing the analysis, a detailed guide to interpreting data output and an example of how to present the results in a report. For both beginners and experienced users in Psychology, Sociology, Health Sciences, Medicine, Education, Business and related disciplines, the SPSS Survival Manual is an essential text. It is illustrated throughout with screen grabs, examples of output and tips, and is also further supported by a website with sample data and guidelines on report writing. This seventh edition is fully revised and updated to accommodate changes to IBM SPSS procedures.

Now in its third edition, this title teaches an often intimidating and difficult subject

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in a way that is informative, personable, and clear.

Introductory Statistics Using SPSS, by Herschel Knapp, shows readers how to properly select, process, and interpret statistics without heavy emphasis on theory, formula derivations, or abstract mathematical concepts. Each chapter is structured to answer questions that readers most want answered, including: how to choose the appropriate test for each situation, how to set up the data, how to run the test, and how to interpret and document the results. Requiring no hand calculations, this highly applied book helps readers “get the story” from their data. They learn by doing, completing practice exercises at the end of each chapter. Video tutorials on the accompanying website clearly demonstrate how to set up the data and run the test in SPSS. Contents: PART I: STATISTICAL PRINCIPLES – 1) Research Principles 2) Sampling 3) Working in SPSS; PART II: STATISTICAL PROCESSES – 4) Descriptive Statistics 5) T Test 6) ANOVA 7) Paired T Test 8) Correlation and Regression 9) Chi-Square; PART III: DATA HANDLING – 10) Supplemental SPSS Operations; PART IV – SOLUTIONS TO ODD-NUMBERED EXERCISES

The R version of Andy Field's hugely popular Discovering Statistics Using SPSS takes students on a journey of statistical discovery using the freeware R. Like its sister textbook, Discovering Statistics Using R is written in an irreverent style and

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follows the same ground-breaking structure and pedagogical approach. The core material is enhanced by a cast of characters to help the reader on their way, hundreds of examples, self-assessment tests to consolidate knowledge, and additional website material for those wanting to learn more.

How to Design and Report Experiments is the perfect textbook and guide to the often bewildering world of experimental design and statistics. It provides a complete map of the entire process beginning with how to get ideas about research, how to refine your research question and the actual design of the experiment, leading on to statistical procedure and assistance with writing up of results. While many books look at the fundamentals of doing successful experiments and include good coverage of statistical techniques, this book very importantly considers the process in chronological order with specific attention given to effective design in the context of likely methods needed and expected results. Without full assessment of these aspects, the experience and results may not end up being as positive as one might have hoped. Ample coverage is then also provided of statistical data analysis, a hazardous journey in itself, and the reporting of findings, with numerous examples and helpful tips of common downfalls throughout. Combining light humour, empathy with solid practical guidance to ensure a positive experience overall, Designing and Reporting

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Experiments will be essential reading for students in psychology and those in cognate disciplines with an experimental focus or content in research methods courses.

Andy Field draws on his experience of teaching advanced statistics to extend existing SPSS Windows texts to a higher level. He covers ANOVA, MANOVA, logistic regression, comparing means tests and factor analysis.

IBM SPSS Statistics 25 Step by Step: A Simple Guide and Reference, fifteenth edition, takes a straightforward, step-by-step approach that makes SPSS software clear to beginners and experienced researchers alike. Extensive use of four-color screen shots, clear writing, and step-by-step boxes guide readers through the program. Exercises at the end of each chapter support students by providing additional opportunities to practice using SPSS. This book covers both the basics of descriptive statistical analysis using SPSS through to more advanced topics such as multiple regression, multidimensional scaling and MANOVA, including instructions for Windows and Mac. This makes it ideal for both undergraduate statistics courses and for postgraduates looking to further develop their statistics and SPSS knowledge. New to this edition: Updated throughout to SPSS 25 Updated / restructured material on: Chart Builder; Univariate ANOVA; moderation on two- and three-way ANOVA; and Factor

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Analytic Techniques (formerly Factor Analysis structure) New material on computing z and T scores, and on computing z scores within descriptive statistics Clearer in-chapter links between the type of data and type of research question that the procedure can answer Updated / additional datasets, exercises, and expanded Companion Website material, including Powerpoint slides for instructors

With an exciting new look, math diagnostic tool, and a research roadmap to navigate projects, this new edition of Andy Field's award-winning text offers a unique combination of humor and step-by-step instruction to make learning statistics compelling and accessible to even the most anxious of students. The Fifth Edition takes students from initial theory to regression, factor analysis, and multilevel modeling, fully incorporating IBM SPSS Statistics© version 25 and fascinating examples throughout.

Shortlisted for the British Psychological Society Book Award 2017 Shortlisted for the British Book Design and Production Awards 2016 Shortlisted for the Association of Learned & Professional Society Publishers Award for Innovation in Publishing 2016 An Adventure in Statistics: The Reality Enigma by best-selling author and award-winning teacher Andy Field offers a better way to learn statistics. It combines rock-solid statistics coverage with compelling visual story-

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telling to address the conceptual difficulties that students learning statistics for the first time often encounter in introductory courses - guiding students away from rote memorization and toward critical thinking and problem solving. Field masterfully weaves in a unique, action-packed story starring Zach, a character who thinks like a student, processing information, and the challenges of understanding it, in the same way a statistics novice would. Illustrated with stunning graphic novel-style art and featuring Socratic dialogue, the story captivates readers as it introduces them to concepts, eliminating potential statistics anxiety. The book assumes no previous statistics knowledge nor does it require the use of data analysis software. It covers the material you would expect for an introductory level statistics course that Field's other books (Discovering Statistics Using IBM SPSS Statistics and Discovering Statistics Using R) only touch on, but with a contemporary twist, laying down strong foundations for understanding classical and Bayesian approaches to data analysis. In doing so, it provides an unrivalled launch pad to further study, research, and inquisitiveness about the real world, equipping students with the skills to succeed in their chosen degree and which they can go on to apply in the workplace. The Story and Main Characters The Reality Revolution In the City of Elpis, in the year 2100, there has been a reality revolution. Prior to the revolution, Elpis citizens were unable to see

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their flaws and limitations, believing themselves talented and special. This led to a self-absorbed society in which hard work and the collective good were undervalued and eroded. To combat this, Professor Milton Grey invented the reality prism, a hat that allowed its wearers to see themselves as they really were - flaws and all. Faced with the truth, Elpis citizens revolted and destroyed and banned all reality prisms. The Mysterious Disappearance Zach and Alice are born soon after all the prisms have been destroyed. Zach, a musician who doesn't understand science, and Alice, a geneticist who is also a whiz at statistics, are in love. One night, after making a world-changing discovery, Alice suddenly disappears, leaving behind a song playing on a loop and a file with her research on it. Statistics to the Rescue! Sensing that she might be in danger, Zach follows the clues to find her, as he realizes that the key to discovering why Alice has vanished is in her research. Alas! He must learn statistics and apply what he learns in order to overcome a number of deadly challenges and find the love of his life. As Zach and his pocket watch, The Head, embark on their quest to find Alice, they meet Professor Milton Grey and Celia, battle zombies, cross a probability bridge, and encounter Jig:Saw, a mysterious corporation that might have something to do with Alice's disappearance... Author News "Eight years ago I had the idea to write a fictional story through which the student learns statistics

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via a shared adventure with the main character..." Read the complete article from Andy Field on writing his new book Times Higher Education article: "Andy Field takes statistics adventure to a new level" Stay Connected Connect with us on Facebook and share your experiences with Andy's texts, check out news, access free stuff, see photos, watch videos, learn about competitions, and much more. Video Links Go behind the scenes and learn more about the man behind the book: Watch Andy talk about why he created a statistics book using the framework of a novel and illustrations by one of the illustrators for the show, Doctor Who. See more videos on Andy's YouTube channel Available with Perusall—an eBook that makes it easier to prepare for class Perusall is an award-winning eBook platform featuring social annotation tools that allow students and instructors to collaboratively mark up and discuss their SAGE textbook. Backed by research and supported by technological innovations developed at Harvard University, this process of learning through collaborative annotation keeps your students engaged and makes teaching easier and more effective. Learn more. This bundle includes Andy Field's Discovering Statistics using IBM SPSS Statistics 5e and SAGE IBM® BUNDLE® for v26.0 Student Version. Andy Field draws on his experience of teaching advanced statistics to extend existing SPSS windows texts to a higher level. He covers ANOVA, MANOVA,

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logistic regression, comparing means tests and factor analysis.

Each chapter of Performing Data Analysis Using IBM SPSS covers a particular statistical procedure and offers the following: an example problem or analysis goal, together with a data set; IBM SPSS analysis with step-by-step analysis setup and accompanying screen shots; and IBM SPSS output with screen shots and narrative on how to read or interpret the results of the analysis.

Never HIGHLIGHT a Book Again! Virtually all of the testable terms, concepts, persons, places, and events from the textbook are included. Cram101 Just the FACTS101 studyguides give all of the outlines, highlights, notes, and quizzes for your textbook with optional online comprehensive practice tests. Only Cram101 is Textbook Specific. Accompanys: 9781446249185 .

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This bundle includes Andy Field's Discovering Statistics using IBM SPSS Statistics 4e and IBM SPSS Student Vs 24.0

Learning statistical computing using the Statistical Package for Social Sciences

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(SPSS)r was never easier! The ideal SPSSr manual for students of statistics and social science research. With over 40 screen images, readers will be led step-by-step through uses of SPSSr to analyze data from experimental and correlational research designs. Dr. Zagumny shares his 15 years of experience as a student, teacher, and user of statistics and statistical software. All social scientists should have a copy on their bookshelf.

Lecturers - request an e-inspection copy of this text or contact your local SAGE representative to discuss your course needs. Watch Andy Field's introductory video to Discovering Statistics Using R Keeping the uniquely humorous and self-deprecating style that has made students across the world fall in love with Andy Field's books, Discovering Statistics Using R takes students on a journey of statistical discovery using R, a free, flexible and dynamically changing software tool for data analysis that is becoming increasingly popular across the social and behavioural sciences throughout the world. The journey begins by explaining basic statistical and research concepts before a guided tour of the R software environment. Next you discover the importance of exploring and graphing data, before moving onto statistical tests that are the foundations of the rest of the book (for example correlation and regression). You will then stride confidently into intermediate level analyses such as ANOVA, before ending your journey with

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advanced techniques such as MANOVA and multilevel models. Although there is enough theory to help you gain the necessary conceptual understanding of what you're doing, the emphasis is on applying what you learn to playful and real-world examples that should make the experience more fun than you might expect. Like its sister textbooks, *Discovering Statistics Using R* is written in an irreverent style and follows the same ground-breaking structure and pedagogical approach. The core material is augmented by a cast of characters to help the reader on their way, together with hundreds of examples, self-assessment tests to consolidate knowledge, and additional website material for those wanting to learn more. Given this book's accessibility, fun spirit, and use of bizarre real-world research it should be essential for anyone wanting to learn about statistics using the freely-available R software.

With an exciting new look, new characters to meet, and its unique combination of humour and step-by-step instruction, this award-winning book is the statistics lifesaver for everyone. From initial theory through to regression, factor analysis and multilevel modelling, Andy Field animates statistics and SPSS software with his famously bizarre examples and activities. What's brand new: A radical new design with original illustrations and even more colour A maths diagnostic tool to help students establish what areas they need to revise and improve on. A

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revamped online resource that uses video, case studies, datasets, testbanks and more to help students negotiate project work, master data management techniques, and apply key writing and employability skills New sections on replication, open science and Bayesian thinking Now fully up to date with latest versions of IBM SPSS Statistics©. All the online resources above (video, case studies, datasets, testbanks) can be easily integrated into your institution's virtual learning environment or learning management system. This allows you to customize and curate content for use in module preparation, delivery and assessment. For instructions on how to upload the resources you want, please visit the Instructors' page or alternatively, contact your local SAGE sales representative. Please note that ISBN: 9781526445780 comprises the paperback edition of the Fifth Edition and the student version of IBM SPSS Statistics. More information on this version of the software's features can be found here.

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