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This leading strategy text presents the complexities of strategic management through up-to-date scholarship and hands-on applications. Highly respected authors Charles Hill and Gareth Jones integrate cutting-edge research on topics including corporate performance, governance, strategic leadership, technology, and business ethics through both theory and cases. Based on real-world practices and current thinking in the field, the Ninth Edition of Strategic Management features an increased emphasis on the changing global economy and its role in strategic management. The high-quality case study program contains 30 cases covering small, medium, and large companies of varying backgrounds. All cases are available in the main student text or the core case text.

This package includes a physical copy of *Statistics: The Art and Science of Learning from Data* by Alan Agresti and Christine Franklin, as well as access to the eText and MyMathLab. *Statistics: The Art and Science of Learning from Data, Third Edition*, helps you become statistically literate by encouraging you to ask and answer interesting statistical questions. This book takes the ideas that have turned statistics into a central science in modern life and makes them accessible. The Third Edition has been edited for conciseness and clarity to keep you focused on the main concepts. The data-rich examples that feature intriguing human-interest topics now include topic labels to

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indicate which statistical topic is being applied.

This series of comprehensive manuals gives the home mechanic an in-depth look at specific areas of auto repair.

Data mining is the art and science of intelligent data analysis. By building knowledge from information, data mining adds considerable value to the ever increasing stores of electronic data that abound today. In performing data mining many decisions need to be made regarding the choice of methodology, the choice of data, the choice of tools, and the choice of algorithms. Throughout this book the reader is introduced to the basic concepts and some of the more popular algorithms of data mining. With a focus on the hands-on end-to-end process for data mining, Williams guides the reader through various capabilities of the easy to use, free, and open source Rattle Data Mining Software built on the sophisticated R Statistical Software. The focus on doing data mining rather than just reading about data mining is refreshing. The book covers data understanding, data preparation, data refinement, model building, model evaluation, and practical deployment. The reader will learn to rapidly deliver a data mining project using software easily installed for free from the Internet. Coupling Rattle with R delivers a very sophisticated data mining environment with all the power, and more, of the many commercial offerings.

Financial Analytics with R sharpens readers' skills in time-series, forecasting, portfolio selection, covariance clustering, prediction, and derivative securities.

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When the war ended on August 15, 1945, I was a naval engineering cadet at the Kure Navy Yard near Hiroshima, Japan. A week later, I was demobilized and returned to my home in Tokyo, fortunate not to find it ravaged by firebombing. At the beginning of September, a large contingent of the American occupation forces led by General Douglas MacArthur moved its base from Yokohama to Tokyo. Near my home I watched a procession of American military motor vehicles snaking along Highway 1. This truly awe-inspiring cavalcade included jeeps, two-and-a-half-ton trucks, and enormous trailers mounted with tanks and artillery. At the time, I was a 21-year-old student in the Machinery Section of Engineering at the Tokyo Imperial University. Watching that magnificent parade of military vehicles, I was more than impressed by the gap in industrial strength between Japan and the U. S. That realization led me to devote my whole life to the development of the Japanese auto industry. I wrote a small article concerning this incident in Nikkei Sangyo Shimbun (one of the leading business newspapers in Japan) on May 2, 1983. The English translation of this story was carried in the July 3, 1983 edition of the Topeka Capital-Journal and the September 13, 1983 issue of the Asian Wall Street Journal. The Topeka Capital-Journal headline read, "MacArthur's Jeeps Were the Toyota Catalyst."

Lightweight Electric/Hybrid Vehicle Design, covers the particular automotive design approach required for hybrid/electrical drive vehicles. There is currently huge investment world-wide in electric vehicle propulsion, driven by concern for pollution

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control and depleting oil resources. The radically different design demands of these new vehicles requires a completely new approach that is covered comprehensively in this book. The book explores the rather dramatic departures in structural configuration necessary for purpose-designed electric vehicle including weight removal in the mechanical systems. It also provides a comprehensive review of the design process in the electric hybrid drive and energy storage systems. Ideal for automotive engineering students and professionals *Lightweight Electric/Hybrid Vehicle Design* provides a complete introduction to this important new sector of the industry. comprehensive coverage of all design aspects of electric/hybrid cars in a single volume packed with case studies and applications in-depth treatment written in a text book style (rather than a theoretical specialist text style)

Creating value through Operations Management. Operations Management provides readers with a comprehensive framework for addressing operational process and supply chain issues. This text uses a systemized approach while focusing on issues of current interest. NOTE: This is the standalone book, if you want the book/access card order the ISBN below: 0132960559 / 9780132960557 Operations Management: Processes and Supply Chains Plus NEW MyOMLab with Pearson eText -- Access Card Package Package consists of 0132807394 / 9780132807395 Operations Management: Processes and Supply Chains 0132940477 / 9780132940474 NEW MyOMLab with Pearson eText -- Access Card -- for Operations Management: Processes and Supply

Chains

Gain sharp insights into your data and solve real-world data science problems with R—from data munging to modeling and visualization About This Book Handle your data with precision and care for optimal business intelligence Restructure and transform your data to inform decision-making Packed with practical advice and tips to help you get to grips with data mining Who This Book Is For If you are a data scientist or R developer who wants to explore and optimize your use of R's advanced features and tools, this is the book for you. A basic knowledge of R is required, along with an understanding of database logic. What You Will Learn Connect to and load data from R's range of powerful databases Successfully fetch and parse structured and unstructured data Transform and restructure your data with efficient R packages Define and build complex statistical models with glm Develop and train machine learning algorithms Visualize social networks and graph data Deploy supervised and unsupervised classification algorithms Discover how to visualize spatial data with R In Detail R is an essential language for sharp and successful data analysis. Its numerous features and ease of use make it a powerful way of mining, managing, and interpreting large sets of data. In a world where understanding big data has become key, by mastering R you will be able to deal with your data effectively and efficiently. This book will give you the guidance you need to build and develop your knowledge and expertise. Bridging the gap between theory and practice, this book will help you to understand and use data for

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a competitive advantage. Beginning with taking you through essential data mining and management tasks such as munging, fetching, cleaning, and restructuring, the book then explores different model designs and the core components of effective analysis. You will then discover how to optimize your use of machine learning algorithms for classification and recommendation systems beside the traditional and more recent statistical methods. Style and approach Covering the essential tasks and skills within data science, Mastering Data Analysis provides you with solutions to the challenges of data science. Each section gives you a theoretical overview before demonstrating how to put the theory to work with real-world use cases and hands-on examples.

This sketchbook is the perfect place to create your masterpiece. Filled with 110 blank pages, this drawing book is perfect for teens, everybody and who love to create. Large enough for all your regular creative sketching, drawing, journal writing, note taking & doodling. With 8 x10 sized pages and a high-quality full-color SOFT glossy cover, this unruled book is perfect for school. With a blank book for drawing you can assure yourself that downtime is creative time. Creativity journals are a great way to relieve stress. Use this journal for: Drawing Books For Kids Artist's Sketchbook Sketch Book Journals Travelers Doodle Notebook Journals To Draw In For Boys & Girls And much more...

A Hands-On Approach to Understanding and Using Actuarial Models Computational Actuarial Science with R provides an introduction to the computational aspects of

actuarial science. Using simple R code, the book helps you understand the algorithms involved in actuarial computations. It also covers more advanced topics, such as parallel computing and C/C++ embedded codes. After an introduction to the R language, the book is divided into four parts. The first one addresses methodology and statistical modeling issues. The second part discusses the computational facets of life insurance, including life contingencies calculations and prospective life tables. Focusing on finance from an actuarial perspective, the next part presents techniques for modeling stock prices, nonlinear time series, yield curves, interest rates, and portfolio optimization. The last part explains how to use R to deal with computational issues of nonlife insurance. Taking a do-it-yourself approach to understanding algorithms, this book demystifies the computational aspects of actuarial science. It shows that even complex computations can usually be done without too much trouble. Datasets used in the text are available in an R package (CASdatasets).

Unlike many books about adult literacy, which focus on abstract concepts related to test scores, this volume develops an understanding of literacy through the engaging life stories of twelve adults from diverse backgrounds living in the United States. In the process of coming to know these adults, we learn, contrary to commonly held assumptions and beliefs about literacy, that adults with limited literacy skills work hard and long, make limited use of public resources, can use technology when shown, and have pride and self-respect. In addition to all of the scientific information and policy

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implications yielded by this research study, this is foremost a compelling story of human struggle and survival. Readers will find themselves caring about these adults, feeling angry about their underemployment and their pain, and excited about their triumphs. This book provides a detailed analysis of absorption refrigeration systems, covering single effect to multi-effect systems and their applications. Both the first and second laws of thermodynamics are discussed in relation to refrigeration systems to show how system performance differs from one law to another. Comparative energy and exergy analyses and assessments of single effect, double effect, triple effect and quadruple effect absorption refrigeration system are performed to illustrate the impact of an increase in the number of effects on system performance. In particular, the second law (exergy) formulation for absorption refrigeration systems, rarely discussed by other works, is covered in detail. Integrated Absorption Refrigeration Systems will help researchers, students and instructors in the formulation of energy and exergy efficiency equations for absorption refrigeration systems.

Aiming to bridge the gap between theory and application, this work focuses on strategic management.

Your search for the perfect polymers textbook ends here - with Polymer Science and Technology. By incorporating an innovative approach and consolidating in one volume the fundamentals currently covered piecemeal in several books, this efficient text simplifies the learning of polymer science. The book is divided into three main sections: polymer

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fundamentals; polymer formation and conversion into useful articles; and polymer properties and applications. Polymer Science and Technology emphasizes the basic, qualitative understanding of the concepts rather than rote memorization or detailed mathematical analysis. Since the book focuses on the ultimate property of the finished product, it minimizes laborious descriptions of experimental procedures used for the characterization of polymers. Instead, the author highlights how the various stages involved in the production of the finished product influence its properties. Well-organized, clear-cut, and user-friendly, Polymer Science and Technology is an outstanding textbook for teaching junior and senior level undergraduates and first year graduate students in an introductory course covering the challenging subject of polymers.

The Saab Official Service Manual: 900 16 Valve: 1985-1993 contains in-depth maintenance, service and repair information for Saab 900 16 valve models from 1985 to 1993. This manual also includes coverage of the 1994 900 convertible model. The aim throughout has been simplicity and clarity, with practical explanations, step-by-step procedures and accurate specifications. Whether you're a professional technician or a do-it-yourself Saab owner, this Saab repair manual will help you understand, care for, and repair your Saab. Saab 16-valve models covered: Saab Turbo, including Saab Turbo SPG 1985-1993 Saab Convertible 1987-1993 Saab 900S 1986-1993 Saab 900 1989-1993 Though the do-it-yourself Saab owner will find this manual indispensable as a source of detailed maintenance and repair information, the Saab owner who has no intention of working on his or her car will find that owning and reading this manual will make it possible to discuss Saab service information repairs more intelligently with a professional technician. Features: Fundamental automotive concepts,

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explanations of basic troubleshooting, safe and effective workshop practices, and tools. Saab maintenance schedules with procedures from replacing the oxygen sensor to flushing the cooling system. This manual tells you what to do, how and when to do it and why it's important. Detailed, in-depth troubleshooting and repair information for engine management and emission control systems, including: Bosch LH 2.2, LH 2.4 and LH 2.4.2 fuel injection EZK and Hall-effect ignition systems APC turbocharger knock sensor system Integrated Saab Service and Technical Tips. These troubleshooting and repair tips are fast, proven procedures used by Saab technicians. Critical updates and information from the Saab Service Information Manual, the Parts & Service Information System, and Saab Service Training. Comprehensive electrical wiring diagrams broken down into 35 easy-to-use troubleshooting sections for electrical circuits. The information you need to know about a particular circuit is in one place. Each section includes a brief circuit description, fault tracing, fuse, relay and component locations, as well as component illustrations. Publishing note: Prior to August 2011, this book was published in a softcover edition (ISBN 978-0-8376-0313-1)

Learn how to develop models for classification, prediction, and customer segmentation with the help of Data Mining for Business Intelligence In today's world, businesses are becoming more capable of accessing their ideal consumers, and an understanding of data mining contributes to this success. Data Mining for Business Intelligence, which was developed from a course taught at the Massachusetts Institute of Technology's Sloan School of Management, and the University of Maryland's Smith School of Business, uses real data and actual cases to illustrate the applicability of data mining intelligence to the development of successful business models. Featuring XLMiner, the Microsoft Office Excel add-in, this book allows readers to follow along

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and implement algorithms at their own speed, with a minimal learning curve. In addition, students and practitioners of data mining techniques are presented with hands-on, business-oriented applications. An abundant amount of exercises and examples are provided to motivate learning and understanding. *Data Mining for Business Intelligence*: Provides both a theoretical and practical understanding of the key methods of classification, prediction, reduction, exploration, and affinity analysis. Features a business decision-making context for these key methods. Illustrates the application and interpretation of these methods using real business cases and data. This book helps readers understand the beneficial relationship that can be established between data mining and smart business practices, and is an excellent learning tool for creating valuable strategies and making wiser business decisions.

This book builds on the successful approach of the first edition of *Swing*, once again taking the power and flexibility of Java's Swing library to its limits. Using a fast-paced style, it starts by introducing each of the Swing components and continues with production-quality code examples in which Swing features are customized, combined, and vigorously exercised to demonstrate real-world usage.

For this revision of their bestselling junior- and senior-level text, Guru and Hizioglu have incorporated eleven years of cutting-edge developments in the field since *Electric Machinery and Transformers* was first published. Completely re-written, the new Second Edition also incorporates suggestions from students and instructors who have used the First Edition, making it the best text available for junior- and senior-level courses in electric machines. The new edition features a wealth of new and improved problems and examples, designed to complement the authors' overall goal of encouraging intuitive reasoning rather than rote

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memorization of material. Chapter 3, which presents the conversion of energy, now includes: analysis of magnetically coupled coils, induced emf in a coil rotating in a uniform magnetic field, induced emf in a coil rotating in a time-varying magnetic field, and the concept of the revolving field. All problems and examples have been rigorously tested using Mathcad. This book brings the power of multivariate statistics to graduate-level practitioners, making these analytical methods accessible without lengthy mathematical derivations. Using the open source, shareware program R, Professor Zelterman demonstrates the process and outcomes for a wide array of multivariate statistical applications. Chapters cover graphical displays, linear algebra, univariate, bivariate and multivariate normal distributions, factor methods, linear regression, discrimination and classification, clustering, time series models, and additional methods. Zelterman uses practical examples from diverse disciplines to welcome readers from a variety of academic specialties. Those with backgrounds in statistics will learn new methods while they review more familiar topics. Chapters include exercises, real data sets, and R implementations. The data are interesting, real-world topics, particularly from health and biology-related contexts. As an example of the approach, the text examines a sample from the Behavior Risk Factor Surveillance System, discussing both the shortcomings of the data as well as useful analyses. The text avoids theoretical derivations beyond those needed to fully appreciate the methods. Prior experience with R is not necessary. Featuring an ideal balance of managerial issues and quantitative techniques, this introduction to operations management keeps pace with current innovations and issues in the field. It presents the concepts clearly and logically, showing readers how OM relates to real business. The new edition also integrates the experiences of a real company throughout each chapter to

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clearly illustrate the concepts. Readers will find brief discussions on how the company manages areas such as inventory and forecasting to provide a real-world perspective. Summary R in Action, Second Edition presents both the R language and the examples that make it so useful for business developers. Focusing on practical solutions, the book offers a crash course in statistics and covers elegant methods for dealing with messy and incomplete data that are difficult to analyze using traditional methods. You'll also master R's extensive graphical capabilities for exploring and presenting data visually. And this expanded second edition includes new chapters on time series analysis, cluster analysis, and classification methodologies, including decision trees, random forests, and support vector machines. Purchase of the print book includes a free eBook in PDF, Kindle, and ePub formats from Manning Publications. About the Technology Business pros and researchers thrive on data, and R speaks the language of data analysis. R is a powerful programming language for statistical computing. Unlike general-purpose tools, R provides thousands of modules for solving just about any data-crunching or presentation challenge you're likely to face. R runs on all important platforms and is used by thousands of major corporations and institutions worldwide. About the Book R in Action, Second Edition teaches you how to use the R language by presenting examples relevant to scientific, technical, and business developers. Focusing on practical solutions, the book offers a crash course in statistics, including elegant methods for dealing with messy and incomplete data. You'll also master R's extensive graphical capabilities for exploring and presenting data visually. And this expanded second edition includes new chapters on forecasting, data mining, and dynamic report writing. What's Inside Complete R language tutorial Using R to manage, analyze, and visualize data

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Techniques for debugging programs and creating packages OOP in R Over 160 graphs About the Author Dr. Rob Kabacoff is a seasoned researcher and teacher who specializes in data analysis. He also maintains the popular Quick-R website at statmethods.net. Table of Contents PART 1 GETTING STARTED Introduction to R Creating a dataset Getting started with graphs Basic data management Advanced data management PART 2 BASIC METHODS Basic graphs Basic statistics PART 3 INTERMEDIATE METHODS Regression Analysis of variance Power analysis Intermediate graphs Resampling statistics and bootstrapping PART 4 ADVANCED METHODS Generalized linear models Principal components and factor analysis Time series Cluster analysis Classification Advanced methods for missing data PART 5 EXPANDING YOUR SKILLS Advanced graphics with ggplot2 Advanced programming Creating a package Creating dynamic reports Advanced graphics with the lattice package available online only from manning.com/kabacoff2

A one-stop reference for automotive and other engineers involved in vehicle and automotive technologies. The book provides essential information on each of the main automotive systems (engines; powertrain and chassis; bodies; electrical systems) plus critical external factors that engineers need to engage with, such as hybrid technologies, vehicle efficiency, emissions control and performance optimization. * Definitive content by the leading authors in the field * A thorough resource, providing all the essential material needed by automotive and mechanical engineers on a day-to-day basis * Fundamentals, key techniques, engineering best practice and know-how together in one quick-reference sourcebook * Focuses on what engineers need to know: engineering fundamentals, key associated technologies, environmental and efficiency engineering, and sustainability, as well as market-driven requirements such as reliability,

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safety, and comfort * Accompanied by multi-body dynamics and tire dynamic modeling software

Introduction to Business covers the scope and sequence of most introductory business courses. The book provides detailed explanations in the context of core themes such as customer satisfaction, ethics, entrepreneurship, global business, and managing change. Introduction to Business includes hundreds of current business examples from a range of industries and geographic locations, which feature a variety of individuals. The outcome is a balanced approach to the theory and application of business concepts, with attention to the knowledge and skills necessary for student success in this course and beyond.

This is the only book that completely lists accurate technical data for all cars imported into the U.S. market from 1946-2000. With many imports approaching the antique status, this book will be a big seller across all generations of car enthusiasts. From the grandiose European carriages of the late Forties to the hot, little Asian imports of the Nineties, every car to grace American roadways from across the Atlantic and Pacific is carefully referenced in this book. Foreign car devotees will appreciate the attention given to capturing precise data on Appearance and Equipment, Vehicle I.D. Numbers, Specification Charts, Engine Data, Chassis, Technical Data, Options and Historical Information. Collectors, restorers and car buffs will love this key book from noted automotive authors, James Flammang and Mike Covello.

Series 78, 79, 100 & 105 6 & 8-cylinder engines with 4.5L & 4.7L petrol and 4.2L diesel.

Buying a car is never easy. Besides spending a sizeable amount of money on this investment, your liveliness probably relies on this vehicle. You need to know that your car will get you from

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point A to point B in a timely and safe manner—so buying a lemon is not something you can afford to do. *Buying A Car For Dummies* is for you if you need to find out how to buy, sell, insure, drive, protect, or rent a vehicle. It doesn't matter how old you are (as long as you can legally drive and have a license), this book can make your experience with cars a smooth ride. *Buying A Car For Dummies* can help you save a truckload of money over the life of your vehicle as you find out all you need to know about new and used car ownership in this entertaining and informative reference guide. This dependable book covers all avenues of buying and owning a car, from negotiating a fair price to finding reliable insurance to saving money on routine servicing. You'll stay in the driver's seat as you discover how to:

- Calculate how much your current car really costs you
- Weigh the pros and cons of buying new or used
- Get the best trade-in, resale, or donation value for your vehicle
- Pick out a cherry and avoid lemons—expert advice for buying a reliable used car
- Determine what features and options you really need in a new car
- Get the straight scoop on financing or leasing your car
- Find an insurance policy and company you can trust
- Protect your automotive assets—from steering wheel locks to full-blown security systems

With *Buying A Car For Dummies* as your guide, you can park your fears, frustrations, and anxieties as you discover how to decide between buying or leasing new wheels, how to negotiate with car dealers, how to foil car thieves and carjackers, how to protect yourself in a breakdown or accident, and how to protect your automotive assets with insurance, warranties, and service contracts. Plus, the book features a list of ten great automotive Web sites for pricing information, ratings, industry news, diagnostic troubleshooting, and more.

"Texts must be interesting enough for students to want to read them in their own language.

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Otherwise, how can we expect students to want to read them in English?" This is the authors' golden rule when they choose texts and topics for every level of American English File. It ensures you get material that learners will enjoy reading and will want to talk about. Texts such as "Could you live without money?" really help to generate opinion and discussion. They create a desire to communicate. Having created the desire, American English File then helps you to develop learners' communication skills. One way it does this is with a strong focus on pronunciation. Research shows that poor pronunciation is a major contributor to breakdowns in communication (Jennifer Jenkins: The Phonology of English as an International Language). American English File integrates pronunciation into every lesson - the "little and often" approach. But that's not all. The unique English File Sounds Chart puts a picture to each sound in the phonetic alphabet, so learners find it easier to remember the sounds and, ultimately, improve their pronunciation.

"Provide an approachable, superbly written introduction to economics that allows all types of students to quickly grasp economic concepts and build a strong foundation with Mankiw's popular Principles of economics, 8E. The most widely-used text in economics classrooms worldwide, this book covers only the most important principles to avoid overwhelming students with excessive detail. Extensive updates feature relevant examples to engage students. MindTap and Aplia digital course solutions are available to improve student engagement and retention with powerful student-focused resources. Within MindTap, students can use the highly acclaimed Graph Builder and Adaptive Test Prep features. All content has been carefully crafted around

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understanding student needs at key moments in your course. A team of award-winning teaching economists have added more relevance, engagement, and interactivity to teaching resources in this book's ancillary package, already the most commanding in the industry."--

This book introduces the principles and practices in automotive systems, including modern automotive systems that incorporate the latest trends in the automobile industry. The fifteen chapters present new and innovative methods to master the complexities of the vehicle of the future. Topics like vehicle classification, structure and layouts, engines, transmissions, braking, suspension and steering are illustrated with modern concepts, such as battery-electric, hybrid electric and fuel cell vehicles and vehicle maintenance practices. Each chapter is supported with examples, illustrative figures, multiple-choice questions and review questions. Aimed at senior undergraduate and graduate students in automotive/automobile engineering, mechanical engineering, electronics engineering, this book covers the following: Construction and working details of all modern as well as fundamental automotive systems Complexities of operation and assembly of various parts of automotive systems in a simplified manner Handling of automotive systems and integration of various components for smooth functioning of the vehicle Modern topics such as battery-electric, hybrid electric and fuel cell vehicles Illustrative examples, figures, multiple-choice questions and review questions at the end of each chapter

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This comprehensive overview of chassis technology presents an up-to-date picture for vehicle construction and design engineers in education and industry. The book acts as an introduction to the engineering design of the automobile's fundamental mechanical systems. Clear text and first class diagrams are used to relate basic engineering principles to the particular requirements of the chassis. In addition, the 2nd edition of 'The Automotive Chassis' has a new author team and has been completely updated to include new technology in total vehicle and suspension design, including platform concept and four-wheel drive technology.

Data Science and Big Data Analytics is about harnessing the power of data for new insights. The book covers the breadth of activities and methods and tools that Data Scientists use. The content focuses on concepts, principles and practical applications that are applicable to any industry and technology environment, and the learning is supported and explained with examples that you can replicate using open-source software. This book will help you: Become a contributor on a data science team Deploy a structured lifecycle approach to data analytics problems Apply appropriate analytic techniques and tools to analyzing big data Learn how to tell a compelling story with data to drive business action Prepare for EMC Proven Professional Data Science Certification Corresponding data sets are available from the book's page at Wiley which you can find on the Wiley site by searching for the ISBN 9781118876138. Get started discovering, analyzing, visualizing, and presenting data in a meaningful way

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today!

Master the programming language of choice among statisticians and data analysts worldwide Coming to grips with R can be tough, even for seasoned statisticians and data analysts. Enter R For Dummies, the quick, easy way to master all the R you'll ever need. Requiring no prior programming experience and packed with practical examples, easy, step-by-step exercises, and sample code, this extremely accessible guide is the ideal introduction to R for complete beginners. It also covers many concepts that intermediate-level programmers will find extremely useful. Master your R ABCs ? get up to speed in no time with the basics, from installing and configuring R to writing simple scripts and performing simultaneous calculations on many variables Put data in its place ? get to know your way around lists, data frames, and other R data structures while learning to interact with other programs, such as Microsoft Excel Make data dance to your tune ? learn how to reshape and manipulate data, merge data sets, split and combine data, perform calculations on vectors and arrays, and much more Visualize it ? learn to use R's powerful data visualization features to create beautiful and informative graphical presentations of your data Get statistical ? find out how to do simple statistical analysis, summarize your variables, and conduct classic statistical tests, such as t-tests Expand and customize R ? get the lowdown on how to find, install, and make the most of add-on packages created by the global R community for a wide variety of purposes Open the book and find: Help downloading, installing, and

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configuring R Tips for getting data in and out of R Ways to use data frames and lists to organize data How to manipulate and process data Advice on fitting regression models and ANOVA Helpful hints for working with graphics How to code in R What R mailing lists and forums can do for you

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