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Introduction to Quantitative Research Methods An Introduction to Quantitative Finance Introduction to Quantitative Data Analysis in the Behavioral and Social Sciences Quantitative Analysis Introduction to Quantitative Methods in Business Quantitative Social Science History by Numbers Introduction to Quantitative Methods in Economics Quantitative Research in Linguistics Introduction to Quantitative Finance Quantitative Social Science Data with R Introduction to Quantitative Methods in Economics An Introduction to Data Analysis An Introduction to Quantitative Methods for Historians An Introduction to Quantitative Finance Applying Social Statistics Introducing Quantitative Methods An Introduction to Quantitative Economics Working with Statistics Introduction to Quantitative Methods for Financial Markets Introduction to Quantitative Methods in Business An Introduction to Quantitative Analysis in Economic Geography Introduction to Quantitative Ecology Quantitative Methods A Gentle Introduction to Effective Computing in Quantitative Research An Introduction to Quantitative Business Analysis Quantitative Social Science The Research Imagination History by Numbers Introduction to Quantitative Methods Fundamentals of Operations Research for Management Solutions Manual to Accompany Introduction to Quantitative Methods in Business: with Applications Using Microsoft Office Excel Introduction to Quantitative Analysis of Linguistic Survey Data Statistics Introduction to R for

Quantitative Finance Quantitative Research Quantitative Finance for Physicists Introduction to Quantitative Macroeconomics Using Julia An Introduction to Quantitative Analysis in Human Geography Analyzing Quantitative Data

Introduction to Quantitative Research Methods

2001-04-10

introduction to quantitative research methods is a student friendly introduction to quantitative research methods and basic statistics it uses a detective theme throughout the text to show how quantitative methods have been used to solve real life problems the book focuses on principles and techniques that are appropriate to introductory level courses in media psychology and sociology examples and illustrations are drawn from historical and contemporary research in the social sciences the original cd rom accompanying the book and its content are no longer available

An Introduction to Quantitative Finance

2014

the quantitative nature of complex financial transactions makes them a fascinating subject area for mathematicians of all types this book gives an insight into financial engineering while building on introductory probability courses by detailing one of the most fascinating applications of the subject

Introduction to Quantitative Data

Analysis in the Behavioral and Social Sciences

2017-04-03

guides readers through the quantitative data analysis process including contextualizing data within a research situation connecting data to the appropriate statistical tests and drawing valid conclusions introduction to quantitative data analysis in the behavioral and social sciences presents a clear and accessible introduction to the basics of quantitative data analysis and focuses on how to use statistical tests as a key tool for analyzing research data the book presents the entire data analysis process as a cyclical multiphase process and addresses the processes of exploratory analysis decision making for performing parametric or nonparametric analysis and practical significance determination in addition the author details how data analysis is used to reveal the underlying patterns and relationships between the variables and connects those trends to the data s contextual situation filling the gap in quantitative data analysis literature this book teaches the methods and thought processes behind data analysis rather than how to perform the study itself or how to perform individual statistical tests with a clear and conversational style readers are provided with a better understanding of the overall structure and methodology behind performing a data analysis as well as the needed techniques to make informed meaningful decisions during data analysis the book features numerous data analysis examples in order to emphasize the decision and thought processes that are best followed and self contained sections throughout separate the statistical data analysis from the detailed discussion of

the concepts allowing readers to reference a specific section of the book for immediate solutions to problems and or applications introduction to quantitative data analysis in the behavioral and social sciences also features coverage of the following the overall methodology and research mind set for how to approach quantitative data analysis and how to use statistics tests as part of research data analysis a comprehensive understanding of the data its connection to a research situation and the most appropriate statistical tests for the data numerous data analysis problems and worked out examples to illustrate the decision and thought processes that reveal underlying patterns and trends detailed examples of the main concepts to aid readers in gaining the needed skills to perform a full analysis of research problems a conversational tone to effectively introduce readers to the basics of how to perform data analysis as well as make meaningful decisions during data analysis introduction to quantitative data analysis in the behavioral and social sciences is an ideal textbook for upper undergraduate and graduate level research method courses in the behavioral and social sciences statistics and engineering this book is also an appropriate reference for practitioners who require a review of quantitative research methods michael j albers ph d is professor in the department of english at east carolina university his research interests include information design with a focus on answering real world questions the presentation of complex information and human information interaction dr albers received his ph d in technical communication and rhetoric from texas tech university

Quantitative Analysis

2018-04-27

written in a lecture format with solved problems at the end of each chapter this book surveys quantitative modeling and decision analysis techniques it serves to familiarize the reader with quantitative techniques utilized in planning and optimizing complex systems as well as students experiencing the subject for the first time it can be used by students of business and public administration without a background in calculus as well as engineers with significant scientific training it allows the reader to comprehend the material through examples and problems and also demonstrates the value and shortcomings of many methods quantitative analysis an introduction developed out of the author s experience teaching the material to students at the university of california los angeles california state university northridge and the university of southern california los angeles

Introduction to Quantitative Methods in Business

2016-08-01

a well balanced and accessible introduction to the elementary quantitative methods and microsoft office excel applications used to guide business decision making featuring quantitative techniques essential for modeling modern business situations introduction to quantitative methods in business with applications using microsoft office excel provides guidance to assessing real world data sets

using excel the book presents a balanced approach to the mathematical tools and techniques with applications used in the areas of business finance economics marketing and operations the authors begin by establishing a solid foundation of basic mathematics and statistics before moving on to more advanced concepts the first part of the book starts by developing basic quantitative techniques such as arithmetic operations functions and graphs and elementary differentiations rates of change and integration after a review of these techniques the second part details both linear and nonlinear models of business activity extensively classroom tested introduction to quantitative methods in business with applications using microsoft office excel also includes numerous examples and practice problems that emphasize real world business quantitative techniques and applications excel based computer software routines that explore calculations for an assortment of tasks including graphing formula usage solving equations and data analysis end of chapter sections detailing the excel applications and techniques used to address data and solutions using large data sets a companion website that includes chapter summaries excel data sets sample exams and quizzes lecture slides and an instructors solutions manual introduction to quantitative methods in business with applications using microsoft office excel is an excellent textbook for undergraduate level courses on quantitative methods in business economics finance marketing operations and statistics the book is also an ideal reference for readers with little or no quantitative background who require a better understanding of basic mathematical and statistical concepts used in economics and business bharat kolluri ph d is professor of economics in the department of economics finance and insurance at the university of hartford a member of the american economics association

his research interests include econometrics business statistics quantitative decision making applied macroeconomics applied microeconomics and corporate finance michael j panik ph d is professor emeritus in the department of economics finance and insurance at the university of hartford he has served as a consultant to the connecticut department of motor vehicles as well as to a variety of health care organizations in addition dr panik is the author of numerous books including growth curve modeling theory and applications and statistical inference a short course both published by wiley rao n singamsetti ph d is associate professor in the department of economics finance and insurance at the university of hartford a member of the american economics association his research interests include the status of war on poverty in the united states since the 1960s and forecasting foreign exchange rates using econometric methods

Quantitative Social Science

2018-02-09

an introductory textbook on data analysis and statistics written especially for students in the social sciences and allied fields quantitative analysis is an increasingly essential skill for social science research yet students in the social sciences and related areas typically receive little training in it or if they do they usually end up in statistics classes that offer few insights into their field this textbook is a practical introduction to data analysis and statistics written especially for undergraduates and beginning graduate students in the social sciences and allied fields such as economics sociology public policy and data science quantitative social science engages directly with empirical

analysis showing students how to analyze data using the r programming language and to interpret the results it encourages hands on learning not paper and pencil statistics more than forty data sets taken directly from leading quantitative social science research illustrate how data analysis can be used to answer important questions about society and human behavior proven in the classroom this one of a kind textbook features numerous additional data analysis exercises and interactive r programming exercises and also comes with supplementary teaching materials for instructors written especially for students in the social sciences and allied fields including economics sociology public policy and data science provides hands on instruction using r programming not paper and pencil statistics includes more than forty data sets from actual research for students to test their skills on covers data analysis concepts such as causality measurement and prediction as well as probability and statistical tools features a wealth of supplementary exercises including additional data analysis exercises and interactive programming exercises offers a solid foundation for further study comes with additional course materials online including notes sample code exercises and problem sets with solutions and lecture slides

History by Numbers

2016-11-17

fully updated and carefully revised this new 2nd edition of history by numbers still stands alone as the only textbook on quantitative methods suitable for students of history even the numerically challenged will find inspiration taking a problem solving approach and using authentic historical

data it describes each method in turn including its origin purpose usefulness and associated pitfalls the problems are developed gradually and with narrative skill allowing readers to experience the moment of discovery for each of the interpretative outcomes quantitative methods are essential for the modern historian and this lively and accessible text will prove an invaluable guide for anyone entering the discipline

Introduction to Quantitative Methods in Economics

1973

presents a comprehensive introduction to analysing quantitative linguistic data starting with an definition of quantitative data and how it differs from qualitative data seb rasinger examines what the student linguist is trying to find out through analysing data and how quantitative techniques can help arrive at meaningful and accurate conclusions this expanded 2nd edition now also includes a discussion of analysis of variance anova and manova and provides a brief introduction to statistical meta analysis a companion website allows readers to download crib sheets and excel templates for the main statistical tools the book introduces using statistics variables reliability of data describing data analysing data testing hypotheses dealing with problematic data each chapter includes graphs and figures explaining theory through worked examples chapter summaries and exercises to aid student understanding an appendix containing a summary of statistical formulae excel commands and statistical tables is included and is an invaluable resource presenting a down to earth and readable introduction to quantitative research this book is a

useful how to guide for students encountering quantitative data for the first time or for postgraduates embarking on linguistic research projects

Quantitative Research in Linguistics

2013-12-05

an introduction to many mathematical topics applicable to quantitative finance that teaches how to think in mathematics rather than simply do mathematics by rote this text offers an accessible yet rigorous development of many of the fields of mathematics necessary for success in investment and quantitative finance covering topics applicable to portfolio theory investment banking option pricing investment and insurance risk management the approach emphasizes the mathematical framework provided by each mathematical discipline and the application of each framework to the solution of finance problems it emphasizes the thought process and mathematical approach taken to develop each result instead of the memorization of formulas to be applied or misapplied automatically the objective is to provide a deep level of understanding of the relevant mathematical theory and tools that can then be effectively used in practice to teach students how to think in mathematics rather than simply to do mathematics by rote each chapter covers an area of mathematics such as mathematical logic euclidean and other spaces set theory and topology sequences and series probability theory and calculus in each case presenting only material that is most important and relevant for quantitative finance each chapter includes finance applications that demonstrate the relevance of the

material presented problem sets are offered on both the mathematical theory and the finance applications sections of each chapter the logical organization of the book and the judicious selection of topics make the text customizable for a number of courses the development is self contained and carefully explained to support disciplined independent study as well a solutions manual for students provides solutions to the book s practice exercises an instructor s manual offers solutions to the assignment exercises as well as other materials

Introduction to Quantitative Finance

2010-01-29

relevant engaging and packed with student focused learning features this book provides the basic step by step introduction to quantitative research and data every student needs gradually introducing applied statistics and the language and functionality of r and r studio software it uses examples from across the social sciences to show students how to apply abstract statistical and methodological principles to their own work maintaining a student friendly pace it goes beyond a normal introductory statistics book and shows students where data originates and how to understand and use quantitative data to answer questions approach surrounding ethical issues collect quantitative data manage write about and share the data effectively supported by incredible digital resources with online tutorials videos datasets and multiple choice questions this book gives students not only the tools they need to understand statistics quantitative data and r software but also the chance to practice and apply what

they have learned

Quantitative Social Science Data with R

2023-03-11

covering the general process of data analysis to finding collecting organizing and presenting data this book offers a complete introduction to the fundamentals of data analysis using real world case studies as illustrations it helps readers understand theories behind and develop techniques for conducting quantitative qualitative and mixed methods data analysis with an easy to follow organization and clear jargon free language it helps readers not only become proficient data analysts but also develop the critical thinking skills necessary to assess analyses presented by others in both academic research and the popular media it includes advice on data analysis frameworks validity and credibility of data sampling techniques data management the big data phenomenon data visualisation effective data communication whether you are new to data analysis or looking for a quick reference guide to key principles of the process this book will help you uncover nuances complexities patterns and relationships among all types of data

Introduction to Quantitative Methods in Economics

1973

many statements made by historians are quantitative

statements involving the use of measurable historical evidence the historian who uses quantitative methods to analyse and interpret such information needs to be well acquainted with the particular methods and techniques of analysis and to be able to make the best use of the data that are available there is an increasing need for training in such methods and in the interpretation of the large volume of literature now using quantitative techniques dr floud s text which is relevant to all branches of historical inquiry provides a straightforward and intelligible introduction for all students and research workers the simpler and more useful techniques of descriptive and analytical statistics are described up to the level of simple linear regression historical examples are used throughout and great attention is paid to the need to ensure that the techniques are consistent with the quality of the data and with the historical problems they are intended to solve attention is paid to problems of the analysis of time series which are of particular use to historians no previous knowledge of statistics is assumed and the simple mathematical techniques that are used are fully and clearly explained without the use of more mathematical knowledge than is provided by an o level course a bibliography is provided to guide historians towards the most useful further reading this student friendly text was first published in 1973

An Introduction to Data Analysis

2018-10-15

this concise textbook provides a unique framework to introduce quantitative finance to advanced undergraduate and beginning postgraduate students inspired by newton s three laws of motion three principles of quantitative finance

are proposed to help practitioners also to understand the pricing of plain vanilla derivatives and fixed income securities the book provides a refreshing perspective on box s thesis that all models are wrong but some are useful being practice and market oriented the author focuses on financial derivatives that matter most to practitioners the three principles of quantitative finance serve as buoys for navigating the treacherous waters of hypotheses models and gaps between theory and practice the author shows that a risk based parsimonious model for modeling the shape of the yield curve the arbitrage free properties of options the black scholes and binomial pricing models even the capital asset pricing model and the modigliani miller propositions can be obtained systematically by applying the normative principles of quantitative finance

An Introduction to Quantitative Methods for Historians

2013-11-05

while applying social statistics is about social statistics and includes all of the topics generally covered in similar texts it is first and foremost a book about how sociologists use statistics its emphasis is on statistical reasoning in sociology and on showing how these principles can be applied to numerous problems in a wide variety of contexts to answer effectively the question what s it for a main learning objective is to help students understand how and why social statistics is used yet weinstein s style and substance recognize that it is of equal or even greater importance that they begin to learn how to apply these principles and techniques themselves

An Introduction to Quantitative Finance

2015-09-16

this exciting new core textbook offers a clear and practical introduction to quantitative methods taking a project based approach the author s extensive knowledge and straightforward writing style ensure that students are steered through the process step by step from developing research questions and preparing data for analysis to explaining how to present data in appropriate formats avoid bias and write up results and reports featuring a comprehensive pedagogical framework and companion website readers are encouraged to follow practice analyses as they go with examples given in both spss and excel and templates are provided for students own research in addition to covering the research project chapters also cover the essential mathematical and statistical analyses that are a logical consequence of posing a quantitative research methods question this is the perfect text for all social science students studying introductory modules on quantitative methods research methods or statistics at undergraduate or postgraduate level it also functions as an effective guide for undergraduate and postgraduate students faced with an independent research project

Applying Social Statistics

2010-01-15

the very word statistics is enough to induce panic or cynicism in most people s hearts the necessity of studying

statistics is often regarded by students as a test of endurance rather than an educational opportunity working with statistics is aimed to show such an audience that studying statistics can be both involving and even pleasurable by minimising specialist terminology and by utilising an authentic set of research data the book provides a readable introduction into the uses of quantitative methods in social research it also provides an argument for the value of such methods and aims to provide students with a working knowledge of computing relating this directly to the demands of statistical analysis the book offers a lucid and comprehensive guide to statistics methods and is suitable as an overall text for courses in the subject

Introducing Quantitative Methods

2018-09-28

swaps futures options structured instruments a wide range of derivative products is traded in today s financial markets analyzing pricing and managing such products often requires fairly sophisticated quantitative tools and methods this book serves as an introduction to financial mathematics with special emphasis on aspects relevant in practice in addition to numerous illustrative examples algorithmic implementations are demonstrated using mathematica and the software package unrisk available for both students and teachers the content is organized in 15 chapters that can be treated as independent modules in particular the exposition is tailored for classroom use in a bachelor or master program course as well as for practitioners who wish to further strengthen their quantitative background

An Introduction to Quantitative Economics

1978

set includes introduction to quantitative methods in business with applications using microsoft office excel isbn 978 1 119 22097 8 and the accompanying solutions manual isbn 978 1 119 22102 9 a well balanced and accessible introduction to the elementary quantitative methods and microsoft office excel applications used to guide business decision making featuring quantitative techniques essential for modeling modern business situations introduction to quantitative methods in business with applications using microsoft office excel provides guidance to assessing real world data sets using excel the book presents a balanced approach to the mathematical tools and techniques with applications used in the areas of business finance economics marketing and operations the authors begin by establishing a solid foundation of basic mathematics and statistics before moving on to more advanced concepts the first part of the book starts by developing basic quantitative techniques such as arithmetic operations functions and graphs and elementary differentiations rates of change and integration after a review of these techniques the second part details both linear and nonlinear models of business activity extensively classroom tested introduction to quantitative methods in business with applications using microsoft office excel also includes numerous examples and practice problems that emphasize real world business quantitative techniques and applications excel based computer software routines that explore calculations for an assortment of tasks including graphing formula usage

solving equations and data analysis end of chapter sections detailing the excel applications and techniques used to address data and solutions using large data sets a companion website that includes chapter summaries excel data sets sample exams and quizzes lecture slides and an instructors solutions manual introduction to quantitative methods in business with applications using microsoft office excel is an excellent textbook for undergraduate level courses on quantitative methods in business economics finance marketing operations and statistics the book is also an ideal reference for readers with little or no quantitative background who require a better understanding of basic mathematical and statistical concepts used in economics and business

Working with Statistics

1991-01-08

environmental science ecology conservation and resource management is an increasingly quantitative field a well trained ecologist now needs to evaluate evidence generated from complex quantitative methods and to apply these methods in their own research yet the existing books and academic coursework are not adequately serving most of the potential audience instead they cater to the specialists who wish to focus on either mathematical or statistical aspects and overwhelmingly appeal to those who already have confidence in their quantitative skills at the same time many texts lack an explicit emphasis on the epistemology of quantitative techniques that is how do we gain understanding about the real world from models that are so vastly simplified this accessible textbook introduces quantitative ecology in a manner that aims to confront

these limitations and thereby appeal to a far wider audience it presents material in an informal approachable and encouraging manner that welcomes readers with any degree of confidence and prior training it covers foundational topics in both mathematical and statistical ecology before describing how to implement these concepts to choose use and analyse models providing guidance and worked examples in both spreadsheet format and r the emphasis throughout is on the skilful interpretation of models to answer questions about the natural world introduction to quantitative ecology is suitable for advanced undergraduate students and incoming graduate students seeking to strengthen their understanding of quantitative methods and to apply them successfully to real world ecology conservation and resource management scenarios

Introduction to Quantitative Methods for Financial Markets

2013-12-18

an accessible introduction to the essential quantitative methods for making valuable business decisions quantitative methods research techniques used to analyze quantitative data enable professionals to organize and understand numbers and in turn to make good decisions quantitative methods an introduction for business management presents the application of quantitative mathematical modeling to decision making in a business management context and emphasizes not only the role of data in drawing conclusions but also the pitfalls of undiscerning reliance of software packages that implement standard statistical procedures with hands on applications and explanations that are accessible to readers at various

levels the book successfully outlines the necessary tools to make smart and successful business decisions progressing from beginner to more advanced material at an easy to follow pace the author utilizes motivating examples throughout to aid readers interested in decision making and also provides critical remarks intuitive traps and counterexamples when appropriate the book begins with a discussion of motivations and foundations related to the topic with introductory presentations of concepts from calculus to linear algebra next the core ideas of quantitative methods are presented in chapters that explore introductory topics in probability descriptive and inferential statistics linear regression and a discussion of time series that includes both classical topics and more challenging models the author also discusses linear programming models and decision making under risk as well as less standard topics in the field such as game theory and bayesian statistics finally the book concludes with a focus on selected tools from multivariate statistics including advanced regression models and data reduction methods such as principal component analysis factor analysis and cluster analysis the book promotes the importance of an analytical approach particularly when dealing with a complex system where multiple individuals are involved and have conflicting incentives a related website features microsoft excel workbooks and matlab scripts to illustrate concepts as well as additional exercises with solutions quantitative methods is an excellent book for courses on the topic at the graduate level the book also serves as an authoritative reference and self study guide for financial and business professionals as well as readers looking to reinforce their analytical skills

Introduction to Quantitative Methods in Business

2016-08-01

a practical guide to using modern software effectively in quantitative research in the social and natural sciences this book offers a practical guide to the computational methods at the heart of most modern quantitative research it will be essential reading for research assistants needing hands on experience students entering phd programs in business economics and other social or natural sciences and those seeking quantitative jobs in industry no background in computer science is assumed a learner need only have a computer with access to the internet using the example as its principal pedagogical device the book offers tried and true prototypes that illustrate many important computational tasks required in quantitative research the best way to use the book is to read it at the computer keyboard and learn by doing the book begins by introducing basic skills how to use the operating system how to organize data and how to complete simple programming tasks for its demonstrations the book uses a unix based operating system and a set of free software tools the scripting language python for programming tasks the database management system sqlite and the freely available r for statistical computing and graphics the book goes on to describe particular tasks analyzing data implementing commonly used numerical and simulation methods and creating extensions to python to reduce cycle time finally the book describes the use of latex a document markup language and preparation system

An Introduction to Quantitative Analysis in Economic Geography

1968

a tidyverse edition of the acclaimed textbook on data analysis and statistics for the social sciences and allied fields quantitative analysis is an essential skill for social science research yet students in the social sciences and related areas typically receive little training in it quantitative social science is a practical introduction to data analysis and statistics written especially for undergraduates and beginning graduate students in the social sciences and allied fields including business economics education political science psychology sociology public policy and data science proven in classrooms around the world this one of a kind textbook engages directly with empirical analysis showing students how to analyze and interpret data using the tidyverse family of r packages data sets taken directly from leading quantitative social science research illustrate how to use data analysis to answer important questions about society and human behavior emphasizes hands on learning not paper and pencil statisticsincludes data sets from actual research for students to test their skills oncovers data analysis concepts such as causality measurement and prediction as well as probability and statistical toolsfeatures a wealth of supplementary exercises including additional data analysis exercises and programming exercisesoffers a solid foundation for further studycomes with additional course materials online including notes sample code exercises and problem sets with solutions and lecture slides

Introduction to Quantitative Ecology

2021-09-30

the idea that science is a blueprint for research and imagination gives research its life and purpose inspired this comprehensive explanation of research methodology the authors decades of experience have revealed that research is a craft requiring judgment and creativity not simply memorization and application of the rules of science whether one is conducting an intimate one on one interview or a large scale examination of an entire society human imagination and scientific principles of inquiry go hand in hand to that end this book emphasizes scientific method but also acknowledges its critics it covers a wide variety of data collection techniques but presents them as reinforcing rather than competing with one another thus striking a balance between qualitative and quantitative methods it is designed for students and instructors who want a comprehensive treatment of a variety of research techniques with special emphasis on qualitative approaches

Quantitative Methods

2012-01-03

history by numbers stands alone as the only textbook on quantitative methods suitable for students of history encountering the field for the first time it is an exceptional book even the numerically challenged will find inspiration taking a problem solving approach and using authentic historical data it describes each method in turn including its

origin purpose usefulness and associated pitfalls the problems are developed gradually and with narrative skill allowing readers to experience the moment of discovery for each of the interpretative outcomes quantitative methods are now essential for the modern historian and this lively and readable text will prove an invaluable guide for anyone entering the discipline

A Gentle Introduction to Effective Computing in Quantitative Research

2016-05-13

solutions manual to accompany introduction to quantitative methods in business with applications using microsoft office excel

An Introduction to Quantitative Business Analysis

1972

the chapters in this innovative book introduce the quantitative analysis of linguistic survey data with specific reference to the linguistic atlas of the middle and south atlantic states lamsas topics covered include the relation of sociolinguistics to the original conception of lamsas the adaptation of lamsas to the needs of computerization and the research methods envisioned the mechanics involved in computerizing lamsas how to handle and analyze the data in the database management system the creation of

categories for analysis and the logic of statistical testing

Quantitative Social Science

2022-08-02

this book is a tutorial guide for new users that aims to help you understand the basics of and become accomplished with the use of r for quantitative finance if you are looking to use r to solve problems in quantitative finance then this book is for you a basic knowledge of financial theory is assumed but familiarity with r is not required with a focus on using r to solve a wide range of issues this book provides useful content for both the r beginner and more experience users

The Research Imagination

2007-08-13

the purpose of this text is to simplify quantitative research for the undergraduate student quantitative research is not a mystery and it is not out of the range of the average student s ability this text will shed light on the necessary concepts and lead a beginning researcher through the process this is an introductory text for an undergraduate research methods class this text will provide you with the basic skills for performing and analyzing simple observational experimental and survey studies you will be guided through the formation of the hypothesis all the way through statistical analysis

History by Numbers

2000

with more and more physicists and physics students exploring the possibility of utilizing their advanced math skills for a career in the finance industry this much needed book quickly introduces them to fundamental and advanced finance principles and methods quantitative finance for physicists provides a short straightforward introduction for those who already have a background in physics find out how fractals scaling chaos and other physics concepts are useful in analyzing financial time series learn about key topics in quantitative finance such as option pricing portfolio management and risk measurement this book provides the basic knowledge in finance required to enable readers with physics backgrounds to move successfully into the financial industry short self contained book for physicists to master basic concepts and quantitative methods of finance growing field many physicists are moving into finance positions because of the high level math required draws on the author s own experience as a physicist who moved into a financial analyst position

Introduction to Quantitative Methods

1978

introduction to quantitative macroeconomics using julia from basic to state of the art computational techniques facilitates access to fundamental techniques in computational and quantitative macroeconomics it focuses

on the recent and very promising software julia which offers a matlab like language at speeds comparable to c fortran also discussing modeling challenges that make quantitative macroeconomics dynamic a key feature that few books on the topic include for macroeconomists who need the basic tools to build solve and simulate macroeconomic models this book neatly fills the gap between intermediate macroeconomic books and modern dsge models used in research combines an introduction to julia with the specific needs of macroeconomic students who are interested in dsge models and phd students and researchers interested in building dsge models teaches fundamental techniques in quantitative macroeconomics by introducing theoretical elements of key macroeconomic models and their potential algorithmic implementations exposes researchers working in macroeconomics to state of the art computational techniques for simulating and solving dsge models

Fundamentals of Operations Research for Management

1975

a user friendly hands on guide to recognizing and conducting proper research techniques in data collection offering a unique approach to numerical research methods analyzing quantitative data an introduction for social researchers presents readers with the necessary statistical applications for carrying out the key phases of conducting and evaluating a research project the book guides readers through the steps of data analysis from organizing raw data to utilizing descriptive statistics and tests of significance drawing valid conclusions and writing research reports the author successfully provides a presentation that is

accessible and hands on rather than heavily theoretical outlining the key quantitative processes and the use of software to successfully draw valid conclusions from gathered data in its discussion of methods for organizing data the book includes suggestions for coding and entry into spreadsheets or databases while also introducing commonly used descriptive statistics and clarifying their roles in data analysis next inferential statistics is explored in depth with explanations of and instructions for performing chi square tests t tests analyses of variance correlation and regression analyses and a number of advanced statistical procedures each chapter contains explanations of when to use the tests described relevant formulas and sample computations the book concludes with guidance on extracting meaningful conclusions from statistical tests and writing research reports that describe procedures and analyses throughout the book statistical resources for spss sections provide fundamental instruction for using spss to obtain the results presented where necessary the author provides basic theoretical explanations for distributions and background information regarding formulas each chapter concludes with practice problems and a related website features derivations of the book s formulas along with additional resources for performing the discussed processes analyzing quantitative data is an excellent book for social sciences courses on data analysis and research methods at the upper undergraduate and graduate levels it also serves as a valuable reference for applied statisticians and practitioners working in the fields of education medicine business and public service who analyze interpret and evaluate data in their daily work

Solutions Manual to Accompany Introduction to Quantitative Methods in Business: with Applications Using Microsoft Office Excel

2016-07-07

Introduction to Quantitative Analysis of Linguistic Survey Data

1996-09-18

Statistics

1966

Introduction to R for Quantitative Finance

2013-11-22

Quantitative Research

2012-08-26

Quantitative Finance for Physicists

2005

Introduction to Quantitative Macroeconomics Using Julia

2018-08-29

An Introduction to Quantitative Analysis in Human Geography

1973

Analyzing Quantitative Data

2014-08-21

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