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Autore	Rutherford Andrew <1958->
Titolo	ANOVA and ANCOVA [[electronic resource]] : a GLM approach // Andrew Rutherford
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Formato	Materiale a stampa
Livello bibliografico	Monografia
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Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	ANOVA and ANCOVA A GLM Approach; Contents; Acknowledgments; 1 An Introduction to General Linear Models: Regression, Analysis of Variance, and Analysis of Covariance; 1.1 Regression, Analysis of Variance, and Analysis of Covariance; 1.2 A Pocket History of Regression, ANOVA, and ANCOVA; 1.3 An Outline of General Linear Models (GLMs); 1.3.1 Regression; 1.3.2 Analysis of Variance; 1.3.3 Analysis of Covariance; 1.4 The ""General"" in GLM; 1.5 The ""Linear"" in GLM; 1.6 Least Squares Estimates; 1.7 Fixed, Random, and Mixed Effects Analyses; 1.8 The Benefits of a GLM Approach to ANOVA and ANCOVA 1.9 The GLM Presentation 1.10 Statistical Packages for Computers; 2 Traditional and GLM Approaches to Independent Measures Single Factor ANOVA Designs; 2.1 Independent Measures Designs; 2.2 Balanced Data Designs; 2.3 Factors and Independent Variables; 2.4 An Outline of Traditional ANOVA for Single Factor Designs; 2.5 Variance; 2.6 Traditional ANOVA Calculations for Single Factor Designs; 2.7 Confidence Intervals; 2.8 GLM Approaches to Single Factor ANOVA; 2.8.1 Experimental Design GLMs; 2.8.2 Estimating Effects by

Comparing Full and Reduced Experimental Design GLMs; 2.8.3 Regression GLMs
2.8.4 Schemes for Coding Experimental Conditions 2.8.4.1 Dummy Coding; 2.8.4.2 Why Only (p - 1) Variables Are Used to Represent All Experimental Conditions?; 2.8.4.3 Effect Coding; 2.8.5 Coding Scheme Solutions to the Overparameterization Problem; 2.8.6 Cell Mean GLMs; 2.8.7 Experimental Design Regression and Cell Mean GLMs; 3 Comparing Experimental Condition Means, Multiple Hypothesis Testing, Type 1 Error, and a Basic Data Analysis Strategy; 3.1 Introduction; 3.2 Comparisons Between Experimental Condition Means; 3.3 Linear Contrasts; 3.4 Comparison Sum of Squares; 3.5 Orthogonal Contrasts 3.6 Testing Multiple Hypotheses 3.6.1 Type 1 and Type 2 Errors; 3.6.2 Type 1 Error Rate Inflation with Multiple Hypothesis Testing; 3.6.3 Type 1 Error Rate Control and Analysis Power; 3.6.4 Different Conceptions of Type 1 Error Rate; 3.6.4.1 Test wise Type 1 Error Rate; 3.6.4.2 Family wise Type 1 Error Rate; 3.6.4.3 Experiment wise Type 1 Error Rate; 3.6.4.4 False Discovery Rate; 3.6.5 Identifying the ""Family"" in Family wise Type 1 Error Rate Control; 3.6.6 Logical and Empirical Relations; 3.6.6.1 Logical Relations; 3.6.6.2 Empirical Relations; 3.7 Planned and Unplanned Comparisons
3.7.1 Direct Assessment of Planned Comparisons 3.7.2 Contradictory Results with ANOVA Omnibus F-tests and Direct Planned Comparisons; 3.8 A Basic Data Analysis Strategy; 3.8.1 ANOVA First?; 3.8.2 Strong and Weak Type 1 Error Control; 3.8.3 Step wise Tests; 3.8.4 Test Power; 3.9 The Three Basic Stages of Data Analysis; 3.9.1 Stage 1; 3.9.2 Stage 2; 3.9.2.1 Rom's Test; 3.9.2.2 Shaffer's R Test; 3.9.2.3 Applying Shaffer's R Test After a Significant F-test; 3.9.3 Stage 3; 3.10 The Role of the Omnibus F-Test; 4 Measures of Effect Size and Strength of Association, Power, and Sample Size
4.1 Introduction

Sommario/riassunto

Provides an in-depth treatment of ANOVA and ANCOVA techniques from a linear model perspective. ANOVA and ANCOVA: A GLM Approach provides a contemporary look at the general linear model (GLM) approach to the analysis of variance (ANOVA) of one- and two-factor psychological experiments. With its organized and comprehensive presentation, the book successfully guides readers through conventional statistical concepts and how to interpret them in GLM terms, treating the main single- and multi-factor designs as they relate to ANOVA and ANCOVA. The book begins with a brief history of

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Collana	Lecture Notes in Business Information Processing, , 1865-1356 ; ; 481
Altri autori (Persone)	ChiMaomao
Disciplina	381.142
Soggetti	Electronic commerce Information technology—Management Business information services e-Commerce and e-Business Computer Application in Administrative Data Processing IT in Business
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Nota di contenuto	The Impact of Digital Finance on the Operating Performance of Commercial Banks: Promotion or Inhibition -- How story plot affect the effect of short video marketing -- Exploring the Effect of Intelligent Recommendation Systems on Users' Emotional Attachment: The Moderating Role of Personality Trait -- Understanding multi-platform Social VR Consumer Opinions: A case study in VRChat using topics modeling of reviews -- A Study of Consumer Purchase Intentions in E-commerce Live Broadcast for Eye Health Products Based on Product and Host Discourse Attributes -- Price and Service Decisions in a Joint Product Network under Demand Uncertainty -- Research on the Influence of Anchors' Characteristics on Consumers' Impulse Buying from the Perspective of Emotional Contagion -- Developing IT Ambidexterity: Insights from Knowledge Interaction between CIO and TMT -- How chatbots' anthropomorphism affects user satisfaction: The mediating role of perceived warmth and competence -- The Effect of

Key Opinion Leader Type on Purchase Intention: Considering the Moderating Effect of Product Type -- Examining the relative importance of factors influencing perinatal anxiety in different perinatal periods during the Covid-19 pandemic: a random forest-based approach -- Research on Information Anxiety in Different Epidemic Prevention and Control States of Public Health Emergency-- Based on Information Task Perspective -- A Systematic Literature Review of digital transformation of manufacturing enterprises: Bibliometric Analysis and Knowledge Framework -- The influence of the thematic coherency of CSR activities on users' purchase intention on e-commerce platforms -- Investment Strategies of Digital Music Copyright in Uncertain Environment -- Role of channel characteristics of the new retail model on brand loyalty -- Research on the introduction of private brand for e-commerce platform under mixed channels of manufacturer -- Users' Demand Analysis of Intelligent Information Service for Rural Tourism based on the Kano Model -- Research on the Factors Influencing the Financing Performance of Rewarded Crowdfunding - Based on Project Multimodal data Analysis -- How Characteristics of Creator and Campaign Shape Crowdfunding Performance: Using Hierarchical Linear Modeling -- How does cover content matter for online medical crowdfunding? An emotion appeal perspective -- Does Early-Bird Policy Matter for Equity Crowdfunding Performance: The Moderation Roles of Entrepreneur Gender and Project Types -- Impact of Trial Feedback in Live streaming e-Commerce: Evidence from Make-up Products -- The Influencing Mechanism of Social Media Users' Group Emotion on the Evolution of Public Opinion: An Analysis of the Moderating Effect of Social Presence -- Examining the Employees Behavior Control in Cloud Computing Performance through the Moderating Lenses of Transformational Leadership -- What Learners Want: Revealing the Focal Topics in MOOC Reviews -- Tourist Satisfaction Analysis of Rural Cultural Tourism Based on the Enhanced IPA Model -- How could firm resilience benefit from the coupling effects of digital strategy and environmental turbulence? Configuration analysis based on fsQCA -- What leads to effective online physician-patient communication? The power of convergence -- An Empirical Study of Factors Affecting the Performance of IP Derivatives Crowdfunding: a Brand Extension Perspective -- A Study on Sustainability of Online Medical Platform Consultation Mode Based on Multi-stage Trust Transmission.

Sommario/riassunto

The two-volume set LNBIP 480 and 481 constitutes the refereed proceedings of the 22nd Wuhan International Conference, WHICEB 2023, held in Wuhan, China, in May 2023. The 61 full papers presented in these proceedings were carefully reviewed and selected from 350 submissions. They focus on innovative research findings, solutions, and approaches to make the Internet a productive and efficient vehicle for global commerce. This year's topic is "Digital Empowerment for an Intelligent Future".

3. Record Nr.	UNIORUON00077179
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