

1. Record Nr.	UNINA9910144693603321
Titolo	Fundamentals of exploratory analysis of variance // edited by David C. Hoaglin, Frederick Mosteller, John W. Tukey
Pubbl/distr/stampa	New York, : Wiley, c1991
ISBN	9786612307775 9781282307773 1282307770 9780470316832 0470316837 9780470317662 0470317663
Descrizione fisica	1 online resource (456 p.)
Collana	Wiley series in probability and mathematical statistics. Applied probability and statistics
Altri autori (Persone)	HoaglinDavid C <1944-> (David Caster) MostellerFrederick <1916-2006.> TukeyJohn W <1915-2000.> (John Wilder)
Disciplina	519.5 519.538
Soggetti	Analysis of variance Mathematical statistics
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Fundamentals of Exploratory Analysis of Variance; Contents; 1. Concepts and Examples in Analysis of Variance; 1A. Interaction in ANOVA; 1B. A Graphical Analysis of a Complex Experiment on the Hardness of Dental Gold; 1C. An Election Example; 1D. Why Main Effects and Interactions?; Exercises; 2. Purposes of Analyzing Data that Come in a Form Inviting Us to Apply Tools from the Analysis of Variance; 2A. Purposes Can Be Both Diverse and Unfamiliar; 2B. A Quantitative Microcosm; 2C. More Classic Purposes; 2D. Causation, Experimentation, and Observation; 2E. Summary; Exercises 3. Preliminary Examination of Data3A. Editing; 3B. Appreciating the Data; 3C. Plots of the Data; 3D. Boxplots; 3E. Stem-and-Leaf Displays; 4. Types of Factors and Their Structural Layouts; 4A. Types of Factors;

4B. Relationships Between Factors; 4C. One-way and Two-way Layouts; 4D. Three-Way and More-Way Layouts; 4E. Summary; Exercises; 5. Value-Splitting: Taking the Data Apart; 5A. Forming Overlays; 5B. Overlays for One-way Data; 5C. What the Residuals Tell Us; 5D. Comparing Overlays: An ANOVA Table; 5E. Designs with Two Crossed Factors; 5F. Interaction and Replication 5G. Two-Factor Designs with Replication 5H. Two-Factor Data with Nesting; 5I. Other Descriptions; 5J. Summary; Exercises; 6. Value Splitting Involving More Factors; 6A. Three Crossed Factors; 6B. Four Crossed Factors; 6C. Latin Square Designs; 6D. Summary; Exercises; 7. Mean Squares, F Tests, and Estimates of Variance; 7A. Formal Inferences: The F Test; 7B. Broadening the Base for the F Test; 7C. (Optional) Note on the Relation of the Pitman-Welch Work to an Ordinary F Distribution; 7D. Confidence Intervals for σ^2 Under Ideal Conditions; 7E. Sensitivity to the Assumption of Normality Exercises 8. Graphical Display as an Aid to Analysis; 8A. An Overview of Graphical Methods for One-way ANOVA; 8B. Graphical Display for Two-Factor Data; 8C. A Side-by-Side Plot Attuned to Mean Squares; 8D. A Detailed Example: Percentage of Americans Who Have Never Married; 8E. Patterns or Noise?; 8F. Exploring Residuals Graphically; 8G. Summary; Exercises; 9. Components of Variance; 9A. Structures Leading to Components in One-way Analysis of Variance; 9B. Example: Variance Components for Blood Pressure; 9C. Alternative Methods for Estimating Variance Components 9D. Confidence Intervals for Variance Components 9E. Unbalanced Cases (Expected-Mean-Square Method); 9F. Two-way Tables; 9G. Example: Nationalization of Electoral Forces; 9H. Summary; Exercises; 10. Which Denominator?; 10A. Analyzing the Structure; 10B. The Sampling or Pigeonhole Model; 10C. The Notion of "Above"; 10D. Three-Way Special Cases; 10E. Constructing an Appropriate Error Term; 10F. Estimation of Variance Components in a Two-way Analysis of Variance by Equating Average Values; 10G. An Alternative Model for Interaction in Two-way Analysis of Variance 10H. A Three-Way Example: Tumor Size

Sommario/riassunto

The analysis of variance is presented as an exploratory component of data analysis, while retaining the customary least squares fitting methods. Balanced data layouts are used to reveal key ideas and techniques for exploration. The approach emphasizes both the individual observations and the separate parts that the analysis produces. Most chapters include exercises and the appendices give selected percentage points of the Gaussian, t, F chi-squared and studentized range distributions.

2. Record Nr.	UNINA9910484875803321
Titolo	Algorithmic Aspects of Wireless Sensor Networks : 5th International Workshop, ALGOSENSORS 2009, Rhodes, Greece, July 10-11, 2009. Revised Selected Papers // edited by Shlomi Dolev
Pubbl/distr/stampa	Berlin, Heidelberg : , : Springer Berlin Heidelberg : , : Imprint : Springer, , 2009
ISBN	3-642-05434-X
Edizione	[1st ed. 2009.]
Descrizione fisica	1 online resource (XI, 263 p.)
Collana	Computer Communication Networks and Telecommunications, , 2945-9184 ; ; 5804
Classificazione	DAT 250f DAT 530f ELT 745f SS 4800
Altri autori (Persone)	DolevShlomi
Disciplina	004n/a
Soggetti	Computer programming Computer networks Algorithms Computer engineering Electronic digital computers - Evaluation Software engineering Programming Techniques Computer Communication Networks Computer Engineering and Networks System Performance and Evaluation Software Engineering
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	International conference proceedings.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Invited Talks -- Invited Talk I Actuator Nets: Folding, Reconfiguring and Deploying Sensors -- Invited Talk II The Power and Limitations of Simple Algorithms: A Partial Case Study of Greedy Mechanisim Design for Combinatorial Actions -- Sensor Field: A Computational Model -- Near-Optimal Radio Use for Wireless Network Synchronization -- Approximating Barrier Resilience in Wireless Sensor Networks --

Improved Approximation Algorithms for Maximum Lifetime Problems in Wireless Networks -- On Active Attacks on Sensor Network Key Distribution Schemes -- Key Levels and Securing Key Predistribution against Node Captures -- Revisiting DoS Attacks and Privacy in RFID-Enabled Networks -- Link Reversal: How to Play Better to Work Less -- Early Obstacle Detection and Avoidance for All to All Traffic Pattern in Wireless Sensor Networks -- A Note on Uniform Power Connectivity in the SINR Model -- Locating a Black Hole without the Knowledge of Incoming Link -- Energy Efficient Alert in Single-Hop Networks of Extremely Weak Devices -- Brief Announcement: Universal Data Aggregation Trees for Sensor Networks in Low Doubling Metrics -- Brief Announcement on MOGRIBA: Multi-Objective Geographical Routing for Biomedical Applications of WSN -- Routing on Delay Tolerant Sensor Networks -- Better Face Routing Protocols -- Building a Communication Bridge with Mobile Hubs -- Compressing Kinetic Data from Sensor Networks -- Relocation Analysis of Stabilizing MAC Algorithms for Large-Scale Mobile Ad Hoc Networks -- Deterministic Collision Free Communication Despite Continuous Motion -- Self-stabilizing Deterministic Gathering -- Gossiping in Jail -- Complexity and Approximation of a Geometric Local Robot Assignment Problem.

Sommario/riassunto

This book constitutes the reviewed proceedings of the 5th International Workshop on Algorithmic Aspects of Wireless Sensor Networks, ALGOSENSORS 2009, held in Rhodes, Greece, July 10-11, 2009. The 21 full papers and two brief announcements were carefully selected from 41 submissions. This workshop aimed at bringing together research contributions related to diverse algorithmic and complexity-theoretic aspects of wireless sensor networks. The topics include but are not limited to optimization problems, noise and probability, robots and tours.
