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References6 Replicated discrimination tests: beta-binomial model; 6.1 Introduction; 6.2 The beta-binomial distribution; 6.3 Estimation of parameters of beta-binomial model; 6.4 Applications of beta-binomial model in replicated tests; 6.5 Testing power and sample size for beta-binomial tests; References; Appendix 6A; 7 Replicated discrimination tests: corrected beta-binomial model; 7.1 Introduction; 7.2 The corrected beta-binomial distribution; 7.3 Estimation of parameters of corrected beta-binomial model; 7.4 Statistical testing for parameters in corrected beta-binomial model
7.5 Testing power and sample sizeReferences; Appendix 7A; 8 Replicated discrimination tests: Dirichlet-multinomial model; 8.1 The Dirichlet-multinomial distribution; 8.2 Estimation of parameters of Dirichlet-multinomial model; 8.3 Applications of DM model in replicated tests; 8.4 Testing power for Dirichlet-multinomial model; References; 9 Measurements of sensory difference: Thurstonian model; 9.1 Introduction; 9.2 Thurstonian; 9.3 Variance of; 9.4 Tables for d and variance of d; References; 10 Statistical analysis for d data; 10.1 Estimates of population or group
10.2 Statistical inference for dataReferences; 11 Similarity testing; 11.1 Introduction; 11.2 Similarity testing for preference; 11.3 Similarity testing using forced-choice methods; 11.4 Similarity testing using the A-Not A and the Same-Different methods; References; Appendix 11A; Appendix A List of a part of S-PLUS codes; Author Index; Subject Index

Sommario/riassunto

Sensory discriminative analysis forms a fundamental type of methodology and is used widely in sensory and consumer research. Sensory Discrimination Tests and Measurements: Statistical Principles, Procedures and Tables provides a comprehensive discussion of sensory discriminative analysis from a statistical perspective. A wide variety of test and measurement methods, which were developed during the past decades and scattered in various statistical and non-statistical journals, are included in the book. The book gives a unified picture of the state of the subject and reflects some feature