1. Record Nr. UNINA9910820710403321 Autore Cohen Jacob <1923-1998, > Titolo Statistical power analysis for the behavioral sciences / / Jacob Cohen Pubbl/distr/stampa New York, New York; ; London, [England]:,: Academic Press,, 1977 ©1977 **ISBN** 1-4832-7648-1 Edizione [Revised edition.] Descrizione fisica 1 online resource (459 p.) Disciplina 300.15195 300/.1/5195 Soggetti Social sciences - Statistical methods **Probabilities** Statistical power analysis 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 2.5. The Use of the Tables for Significance TestingCHAPTER 3. The Significance of a Product Moment rs; 3.1. Introduction and Use; 3.2. The Effect Size: r; 3.3. Power Tables; 3.4. Sample Size Tables; 3.5. The Use of the Tables for Significance Testing of r; CHAPTER 4. Differences between Correlation Coefficients; 4.1. Introduction and Use; 4.2. The Effect Size Index: q: 4.3. Power Tables: 4.4. Sample Size Tables: 4.5. The Use of the Tables for Significance Testing; CHAPTER 5. The Test that a Proportion is .50 and the Sign Test; 5.1. Introduction and Use; 5.2. The Effect Size Index: a 5.3. Power Tables5.4. Sample Size Tables; 5.5. The Use of the Tables for Significance Testing; CHAPTER 6. Differences between Proportions; 6.1. Introduction and Use; 6.2. The Arcsine Transformation and the Effect Size Index: h: 6.3. Power Tables: 6.4. Sample Size Tables: 6.5. The Use of the Tables for Significance Testing; CHAPTER 7. Chi-Square Tests for Goodness of Fit and Contingency Tables; 7.1. Introduction and Use; 7.2. The Effect Size index: w; 7.3. Power Tables; 7.4. Sample Size Tables; CHAPTER 8. F Tests on Means in the Analysis of Variance and Covariance; 8.1. Introduction and Use 8.2. The Effect Size Index: f8.3. Power Tables; 8.4. Sample Size Tables;

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of Variance Proportions in Multiple Regression/Correlation Analysis; 9.1. Introduction and Use; 9.2. The Effect Size Index: f2; 9.3. Power Tables: 9.4. L Tables and the Determination of Sample Size: CHAPTER 10. Technical Appendix: Computational Procedures; 10.1. Introduction; 10.2. t Test for Means; 10.3. The Significance of a Product Moment r; 10.4. Differences between Correlation Coefficients 10.5. The Test that a Proportion is .50 and the Sign Test10.6. Differences between Proportions; 10.7. Chi-Square Tests for Goodness of Fit and Contingency Tables; 10.8. F Test on Means and the Analysis of Variance and Covariance; 10.9. F Test of Variance Proportions in Multiple Regression/Correlation Analysis; References; Index Statistical Power Analysis for the Behavioral Sciences, Revised Edition emphasizes the importance of statistical power analysis. This edition discusses the concepts and types of power analysis, t test for means, significance of a product moment rs, and differences between correlation coefficients. The test that a proportion is .50 and sign test, differences between proportions, and chi-square tests for goodness of fit and contingency tables are also elaborated. This text likewise covers

the F tests of variance proportions in multiple regression/correlation

analysis and computational procedures

Sommario/riassunto