

Contents

<i>Preface to the Revised Edition</i>	xi
<i>Preface to the Original Edition</i>	xiii
Chapter 1. The Concepts of Power Analysis	
1.1. General Introduction	1
1.2. Significance Criterion	4
1.3. Reliability of Sample Results and Sample Size	6
1.4. The Effect Size	8
1.5. Types of Power Analysis	14
1.6. Significance Testing	17
1.7. Plan of Chapters 2-9	17
Chapter 2. The t Test for Means	
2.1. Introduction and Use	19
2.2. The Effect Size Index: d	20
2.3. Power Tables	27
2.4. Sample Size Tables	52
2.5. The Use of the Tables for Significance Testing	66
Chapter 3. The Significance of a Product Moment r_s	
3.1. Introduction and Use	75
3.2. The Effect Size: r	77

3.3. Power Tables	83
3.4. Sample Size Tables	99
3.5. The Use of the Tables for Significance Testing of r	105

Chapter 4. Differences between Correlation Coefficients

4.1. Introduction and Use	109
4.2. The Effect Size Index: q	110
4.3. Power Tables	116
4.4. Sample Size Tables	133
4.5. The Use of the Tables for Significance Testing	139

Chapter 5. The Test that a Proportion is .50 and the Sign Test

5.1. Introduction and Use	145
5.2. The Effect Size Index: g	147
5.3. Power Tables	150
5.4. Sample Size Tables	166
5.5. The Use of the Tables for Significance Testing	175

Chapter 6. Differences between Proportions

6.1. Introduction and Use	179
6.2. The Arcsine Transformation and the Effect Size Index: h	180
6.3. Power Tables	185
6.4. Sample Size Tables	204
6.5. The Use of the Tables for Significance Testing	209

Chapter 7. Chi-Square Tests for Goodness of Fit and Contingency Tables

7.1. Introduction and Use	215
7.2. The Effect Size index: w	216
7.3. Power Tables	227
7.4. Sample Size Tables	252

Chapter 8. F Tests on Means in the Analysis of Variance and Covariance

8.1. Introduction and Use	273
8.2. The Effect Size Index: f	274
8.3. Power Tables	288
8.4. Sample Size Tables	380
8.5. The Use of the Tables for Significance Testing	403

Chapter 9. F Tests of Variance Proportions in Multiple Regression/Correlation Analysis

9.1. Introduction and Use	407
9.2. The Effect Size Index: f^2	410

9.3. Power Tables	414
9.4. L Tables and the Determination of Sample Size	438
 Chapter 10. Technical Appendix : Computational Procedures	
10.1. Introduction	455
10.2. t Test for Means	456
10.3. The Significance of a Product Moment r	457
10.4. Differences between Correlation Coefficients	458
10.5. The Test that a Proportion is .50 and the Sign Test	459
10.6. Differences between Proportions	460
10.7. Chi-Square Tests for Goodness of Fit and Contingency Tables	461
10.8. F Test on Means and the Analysis of Variance and Covariance	462
10.9. F Test of Variance Proportions in Multiple Regression/Correlation Analysis	463
<i>References</i>	465
<i>Index</i>	469