

1. Record Nr.	UNINA9910465876503321
Autore	Goos Peter
Titolo	Statistics with JMP : hypothesis tests, ANOVA, and regression // Peter Goos, David Meintrup
Pubbl/distr/stampa	Chichester, West Sussex : , : John Wiley & Sons, Incorporated, , 2016
ISBN	1-119-09704-5
Descrizione fisica	1 online resource (734 p.)
Disciplina	519.50285/53
Soggetti	Probabilities - Data processing Mathematical statistics - Data processing Regression analysis Electronic books.
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Includes index.
Nota di contenuto	Title page; Copyright; Dedication; Preface; Acknowledgments; Part One Estimators and Tests; 1 Estimating Population Parameters; 1.1 Introduction: Estimators Versus Estimates; 1.2 Estimating a Mean Value; 1.3 Criteria for Estimators; 1.4 Methods for the Calculation of Estimators; 1.5 The Sample Mean; 1.6 The Sample Proportion; 1.7 The Sample Variance; 1.8 The Sample Standard Deviation; 1.9 Applications; Notes; 2 Interval Estimators; 2.1 Point and Interval Estimators; 2.2 Confidence Intervals for a Population Mean with Known Variance 2.3 Confidence Intervals for a Population Mean with Unknown Variance2.4 Confidence Intervals for a Population Proportion; 2.5 Confidence Intervals for a Population Variance; 2.6 More Confidence Intervals in JMP; 2.7 Determining the Sample Size; Notes; 3 Hypothesis Tests; 3.1 Key Concepts; 3.2 Testing Hypotheses About a Population Mean; 3.3 The Probability of a Type II Error and the Power; 3.4 Determination of the Sample Size; 3.5 JMP; 3.6 Some Important Notes Concerning Hypothesis Testing; Notes; Part Two One Population; 4 Hypothesis Tests for a Population Mean, Proportion, or Variance 4.1 Hypothesis Tests for One Population Mean4.2 Hypothesis Tests for a Population Proportion; 4.3 Hypothesis Tests for a Population Variance; 4.4 The Probability of a Type II Error and the Power; Notes; 5 Two Hypothesis Tests for the Median of a Population; 5.1 The Sign

Test; 5.2 The Wilcoxon Signed-Rank Test; Notes; 6 Hypothesis Tests for the Distribution of a Population; 6.1 Testing Probability Distributions; 6.2 Testing Probability Densities; 6.3 Discussion; Notes; Part Three Two Populations; 7 Independent Versus Paired Samples 8 Hypothesis Tests for the Means, Proportions, or Variances of Two Independent Samples 8.1 Tests for Two Population Means for Independent Samples; 8.2 A Hypothesis Test for Two Population Proportions; 8.3 A Hypothesis Test for Two Population Variances; 8.4 Hypothesis Tests for Two Independent Samples in JMP; Notes; 9 A Nonparametric Hypothesis Test for the Medians of Two Independent Samples; 9.1 The Hypotheses Tested; 9.2 Exact p-Values in the Absence of Ties; 9.3 Exact p-Values in the Presence of Ties; 9.4 Approximate p-Values; Notes; 10 Hypothesis Tests for the Means of Two Paired Samples 10.1 The Hypotheses Tested 10.2 The Procedure; 10.3 Examples; 10.4 The Technical Background; 10.5 Generalized Hypothesis Tests; 10.6 A Confidence Interval for a Difference of Two Population Means; Notes; 11 Two Nonparametric Hypothesis Tests for Paired Samples; 11.1 The Sign Test; 11.2 The Wilcoxon Signed-Rank Test; 11.3 Contradictory Results; Notes; Part Four More Than Two Populations; 12 Hypothesis Tests for More Than Two Population Means: One-Way Analysis of Variance; 12.1 One-Way Analysis of Variance; 12.2 The Test; 12.3 One-Way Analysis of Variance in JMP; 12.4 Pairwise Comparisons 12.5 The Relation Between a One-Way Analysis of Variance and a t-Test for Two Population Means
