Record Nr. UNINA9910822547203321 Autore Beh Eric J. **Titolo** Correspondence analysis: theory, practice and new strategies / / Eric Beh, Rosaria Lombardo Chichester, England:,: Wiley,, 2014 Pubbl/distr/stampa ©2014 **ISBN** 1-118-76287-8 1-118-76289-4 Descrizione fisica 1 online resource (593 p.) Collana Wiley Series in Probability and Statistics Classificazione MAT029020 Disciplina 519.5/37 Soggetti Correspondence analysis (Statistics) Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Description based upon print version of record. Note generali Nota di bibliografia Includes bibliographical references at the end of each chapters and index. Nota di contenuto Correspondence Analysis: Theory, Practice and New Strategies; Contents; Foreword; Preface; Part One: Introduction; 1 Data Visualisation; 1.1 A Very Brief Introduction to Data Visualisation; 1.1.1 A Very Brief History; 1.1.2 Introduction to Visualisation Tools for Numerical Data; 1.1.3 Introduction to Visualisation Tools for Univariate Categorical Data: 1.2 Data Visualisation for Contingency Tables: 1.2.1 Fourfold Displays: 1.3 Other Plots: 1.4 Studying Exposure to Asbestos: 1.4.1 Asbestos and Irving J. Selikoff; 1.4.2 Selikoff's Data; 1.4.3 Numerical Analysis of Selikoff's Data 1.4.4 A Graphical Analysis of Selikoff's Data1.4.5 Classical Correspondence Analysis of Selikoff's Data; 1.4.6 Other Methods of Graphical Analysis: 1.5 Happiness Data: 1.6 Correspondence Analysis Now: 1.6.1 A Bibliographic Taste: 1.6.2 The Increasing Popularity of Correspondence Analysis; 1.6.3 The Growth of the Correspondence Analysis Family Tree; 1.7 Overview of the Book; 1.8 R Code; References; 2 Pearson's Chi-Squared Statistic; 2.1 Introduction; 2.2 Pearson's Chi-Squared Statistic; 2.2.1 Notation; 2.2.2 Measuring the Departure from Independence; 2.2.3 Pearson's Chi-Squared Statistic 2.6.3 The Cressie--Read StatisticReferences; Part Two: Correspondence Analysis of Two-Way Contingency Tables; 3 Methods of Decomposition;

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Sommario/riassunto

A comprehensive overview of the internationalisation of correspondence analysis Correspondence Analysis: Theory, Practice and New Strategies examines the key issues of correspondence analysis, and discusses the new advances that have been made over the last 20 years. The main focus of this book is to provide a comprehensive discussion of some of the key technical and practical aspects of correspondence analysis, and to demonstrate how they may be put to use. Particular attention is given to the history and mathematical links of the developments made. These links include not just those majo