Record Nr. UNINA9910143517003321 Autore Palta Mari <1948-> Titolo Quantitative methods in population health [[electronic resource]]: extensions of ordinary regression / / Mari Palta Hoboken, N.J., : John Wiley, c2003 Pubbl/distr/stampa **ISBN** 1-280-34400-8 9786610344000 0-470-24688-X 0-471-46798-7 0-471-46797-9 Descrizione fisica 1 online resource (339 p.) Collana Wiley series in probability and statistics Disciplina 614.072 614.420727 Soggetti Medical statistics Regression analysis Population - Health aspects - Statistical methods Health surveys - Statistical methods Electronic books. 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 Quantitative Methods in Population Health; List of Figures; List of Tables: Contents: Preface: Acknowledgments: Acronyms: Introduction: I.1 Newborn Lung Project; I.2 Wisconsin Diabetes Registry; I.3 Wisconsin Sleep Cohort Study; Suggested Reading; 1 Review of Ordinary Linear Regression and Its Assumptions; 1.1 The Ordinary Linear Regression Equation and Its Assumptions; 1.1.1 Straight-Line Relationship; 1.1.2 Equal Variance Assumption; 1.1.3 Normality Assumption; 1.1.4 Independence Assumption; 1.2 A Note on How the Least-Squares Estimators are Obtained Output Packet I: Examples of Ordinary Regression Analyses2 The Maximum Likelihood Approach to Ordinary Regression; 2.1 Maximum Likelihood Estimation; 2.2 Example; 2.3 Properties of Maximum

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Sommario/riassunto

Each topic starts with an explanation of the theoretical background necessary to allow full understanding of the technique and to facilitate future learning of more advanced or new methods and softwareExplanations are designed to assume as little background in mathematics and statistical theory as possible, except that some knowledge of calculus is necessary for certain parts.SAS commands are provided for applying the methods. (PROC REG, PROC MIXED, and PROC GENMOD)All sections contain real life examples, mostly from epidemiologic researchFirst chapter includes a SAS refresher