1. Record Nr. UNINA9910146069003321 Autore Kedem Benjamin <1944-> Titolo Regression models for time series analysis [[electronic resource] /] / Benjamin Kedem, Konstantinos Fokianos Chichester; ; Hoboken, NJ, : John Wiley & Sons, Inc., c2002 Pubbl/distr/stampa **ISBN** 1-280-25283-9 9786610252831 0-470-30356-5 0-471-46168-7 0-471-26698-1 Descrizione fisica 1 online resource (361 p.) Collana Wiley series in probability and statistics Altri autori (Persone) **FokianosKonstantinos** 519.55 Disciplina Soggetti Time-series analysis Regression analysis 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 (p. 297-326) and index. Nota di contenuto Regression Models for Time Series Analysis; Dedication; Contents; Preface; 1 Time Series Following Generalized Linear Models; 1.1 Partial Likelihood; 1.2 Generalized Linear Models and Time Series; 1.3 Partial Likelihood Inference; 1.3.1 Estimation of the Dispersion Parameter; 1.3.2 Iterative Reweighted Least Squares; 1.4 Asymptotic Theory; 1.4.1 Uniqueness and Existence; 1.4.2 Large Sample Properties; 1.5 Testing Hypotheses; 1.6 Diagnostics; 1.6.1 Deviance; 1.6.2 Model Selection Criteria: 1.6.3 Residuals: 1.7 Quasi-Partial Likelihood: 1.7.1 **Generalized Estimating Equations** 1.8 Real Data Examples 1.8.1 A Note on Computation; 1.8.2 A Note on Model Building; 1.8.3 Analysis of Mortality Count Data; 1.8.4 Application to Evapotranspiration; 1.9 Problems and Complements; 2 Regression Models for Binary Time Series; 2.1 Link Functions for Binary Time Series; 2.1.1 The Logistic Regression Model; 2.1.2 Probit and Other Links; 2.2 Partial Likelihood Estimation; 2.3 Inference for Logistic Regression; 2.3.1 Asymptotic Relative Eficiency; 2.4 Goodness of Fit;

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Sommario/riassunto

A thorough review of the most current regression methods in time series analysisRegression methods have been an integral part of time series analysis for over a century. Recently, new developments have made major strides in such areas as non-continuous data where a linear model is not appropriate. This book introduces the reader to newer developments and more diverse regression models and methods for time series analysis. Accessible to anyone who is familiar with the basic modern concepts of statistical inference, Regression Models for Time Series Analysis provides a much-needed examina