1. Record Nr. UNINA9910144718003321 Autore Bosq Denis <1939-> **Titolo** Inference and prediction in large dimensions [[electronic resource] /] / Denis Bosq, Delphine Blanke Chichester, England; ; Hoboken, NJ, : John Wiley/Dunod, c2007 Pubbl/distr/stampa **ISBN** 1-282-12309-2 9786612123092 0-470-72403-X 0-470-72402-1 Descrizione fisica 1 online resource (338 p.) Collana Wiley series in probability and statistics Altri autori (Persone) BlankeDelphine Disciplina 519.5/44 519.54 Soggetti Estimation theory Nonparametric statistics Stochastic processes Prediction theory Electronic books. Lingua di pubblicazione Inglese **Formato** Materiale a stampa Monografia Livello bibliografico "This work is in the Wiley-Dunod Series co-published between Dunod Note generali and John Wiley & Sons, Ltd." Nota di bibliografia Includes bibliographical references (p. [299]-307) and index. Nota di contenuto Inference and Prediction in Large Dimensions; Contents; List of abbreviations; Introduction; Part I Statistical Prediction Theory; 1 Statistical prediction: 1.1 Filtering: 1.2 Some examples: 1.3 The prediction model; 1.4 P-sufficient statistics; 1.5 Optimal predictors; 1.6 Efficient predictors; 1.7 Loss functions and empirical predictors; 1.7.1 Loss function; 1.7.2 Location parameters; 1.7.3 Bayesian predictors; 1.7.4 Linear predictors; 1.8 Multidimensional prediction; Notes; 2 Asymptotic prediction; 2.1 Introduction; 2.2 The basic problem; 2.3 Parametric prediction for stochastic processes 2.4 Predicting some common processes 2.5 Equivalent risks; 2.6 Prediction for small time lags; 2.7 Prediction for large time lags; Notes; Part II Inference by Projection; 3 Estimation by adaptive projection; 3.1

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Sommario/riassunto

This book offers a predominantly theoretical coverage of statistical prediction, with some potential applications discussed, when data and/ or parameters belong to a large or infinite dimensional space. It develops the theory of statistical prediction, non-parametric estimation by adaptive projection - with applications to tests of fit and prediction, and theory of linear processes in function spaces with applications to prediction of continuous time processes. This work is in the Wiley-Dunod Series co-published between Dunod (www.dunod.com) and John Wil