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| Descrizione fisica      | 1 online resource (210 p.)  |
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| Note generali           | Description based upon print version of record.   |
| Nota di bibliografia    | Includes bibliographical references (p. 191-196) and index.   |
| Nota di contenuto       | <ul> <li>Preface; Contents; 1. Introduction; 1.1 Estimation of a density; 1.2</li> <li>Estimation of a regression curve; 1.3 Estimation of functionals of processes; 1.4 Content of the book; 2. Kernel estimator of a density;</li> <li>2.1 Introduction; 2.2 Risks and optimal bandwidths for the kernel estimator; 2.3 Weak convergence; 2.4 Minimax and histogram estimators; 2.5 Estimation of functionals of a density; 2.6 Density of absolutely continuous distributions; 2.7 Hellinger distance between a density and its estimator; 2.8 Estimation of the density under right-censoring</li> <li>2.9 Estimation of the density of left-censored variables2.10 Kernel estimator for the density of a process; 2.11 Exercises; 3. Kernel estimator of a regression function; 3.1 Introduction and notation; 3.2 Risks and convergence rates for the estimator; 3.3 Optimal bandwidths;</li> <li>3.4 Weak convergence of the estimator; 3.5 Estimation of a regression curve by local polynomials; 3.6 Estimation in regression models with functional variance; 3.7 Estimation of the mode of a regression function; 3.8 Estimation of a regression function under censoring; 3.9 Proportional odds model</li> <li>3.10 Estimation for the regression function of processes3.11 Exercises;</li> </ul> |

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| Sommario/riassunto<br>This book presents a unified approach on nonparametric estimators for<br>models of independent observations, jump processes and continuous<br>processes. New estimators are defined and their limiting behavior is<br>studied. From a practical point of view, the book |                    | <ul> <li>4. Limits for the varying bandwidths estimators; 4.1 Introduction; 4.2<br/>Estimation of densities; 4.3 Estimation of regression functions; 4.4<br/>Estimation for processes; 4.5 Exercises; 5. Nonparametric estimation of<br/>quantiles; 5.1 Introduction; 5.2 Asymptotics for the quantile processes;<br/>5.3 Bandwidth selection; 5.4 Estimation of the conditional density of Y<br/>given X; 5.5 Estimation of conditional quantiles for processes; 5.6<br/>Inverse of a regression function; 5.7 Quantile function of right-<br/>censored variables</li> <li>5.8 Conditional quantiles with variable bandwidth5.9 Exercises; 6.</li> <li>Nonparametric estimation of intensities for stochastic processes; 6.1<br/>Introduction; 6.2 Risks and convergences for estimators of the<br/>intensity; 6.2.1 Kernel estimator of the intensity; 6.2.2 Histogram<br/>estimator of the intensity; 6.3 Risks and convergences for multiplicative<br/>intensities; 6.3.1 Models with nonparametric regression functions;<br/>6.3.2 Models with parametric regression functions; 6.4 Histograms for<br/>intensity and regression functions; 6.5 Estimation of the density of<br/>duration excess</li> <li>6.6 Estimators for processes on increasing intervals6.7 Models with<br/>varying intensity or regression coefficients; 6.8 Progressive censoring<br/>of a random time sequence; 6.9 Exercises; 7. Estimation in semi-<br/>parametric regression models; 7.1 Introduction; 7.2 Convergence of the<br/>estimators; 7.3 Nonparametric regression with a change of variables;<br/>7.4 Exercises; 8. Diffusion processes; 8.1 Introduction; 8.2 Estimation<br/>for continuous diffusions by discretization; 8.3 Estimation for<br/>continuous diffusions by discretization; 8.3 Estimation for<br/>continuous diffusions by discretization; 8.3 Estimation for<br/>continuous estimation for di usions with jumps</li> </ul> |  |
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