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Nota di contenuto	Contents -- Preface -- Logspline density estimation -- Statistical encounters with B-splines -- Estimation of a transfer function in a non-gaussian context -- Evaluating the performance of an inversion algorithm -- Harmonic splines in geomagnetism -- Problems in estimating the anomalous gravity potential of the earth from discrete data -- What regression model should be chosen when the statistician misspecifies the error distribution? -- Approximation theory of method of regularization estimators: applications -- Partial spline modelling of the tropopause and other discontinuities -- Choice of smoothing parameter in deconvolution problems -- Regression approximation using projections and isotropic kernels -- Will the art of smoothing ever become a science.