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   Altri autori (Persone)   GreeneWilliam
                            HillR. Carter

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   Nota di contenuto   Introduction / William Greene -- MCMC perspectives on simulated
                        likelihood estimation / Ivan Jeliazkov and Esther Hee Lee -- The panel
                        probit model : adaptive integration on sparse grids / Florian Heiss -- A
                        comparison of the maximum simulated likelihood and composite
                        marginal likelihood estimation approaches in the context of the
                        multivariate ordered response model / Chandra R. Bhat, Cristiano
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                        parameters logit model / Tong Zeng and R. Carter Hill -- Simulated
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                        application to female labor supply / Hoa B. Nguyen -- Alternative
                        random effects panel gamma SML estimation with heterogeneity in
                        random and one-sided error / Saleem Shaik and Ashok K. Mishra --
                        Modelling and forecasting volatility in a Bayesian approach / Esmail

Amiri.

Sommario/riassunto   The economics and statistics literature using computer simulation
based methods has grown enormously over the past decades.
Maximum Simulated Likelihood is a statistical tool useful for
incorporating individual differences (called heterogeneity in the
econometrics literature) and variations into a statistical analysis.
Problems that can be intractable with traditional methods are solved
using computer simulation integrated with classical methods. Instead
of assuming that everyone responds to stimuli in the same way,
allowances are made for the possibility that different decision makers
will respond in different ways. The techniques can be applied to
problems of individual choice, such as the choice of a transportation
model, or choice among health care options, as well as to the problem
of making financial and macroeconomic predictions. Contributors to
the volume discuss alternative simulation methods that permit faster
and more accurate inference, as well as applications of established
methods.