

图书基本信息

书名：<<参数和非参数模型与估计及在能源经济学中的应用>>

13位ISBN编号：9787562825029

10位ISBN编号：7562825025

出版时间：2009-5

出版时间：华东理工大学出版社

作者：高炜宇

页数：210

版权说明：本站所提供下载的PDF图书仅提供预览和简介，请支持正版图书。

更多资源请访问：<http://www.tushu007.com>

前言

Nonparametric and semiparametric modeling and estimation procedures are now widely applied in econometrics. Their popularity generally comes from the reduction of the probability of misspecification compared with their parametric counterpart. My research is composed of two parts : a theoretical part on semiparametric efficient estimation of partially linear model and an applied part in energy economics under different dynamic settings. The chapters are related in terms of their applications as well as the way in which models are constructed and estimated. In the second chapter , estimation of the partially linear model is studied under different stochastic restrictions of the residual term. We work out the efficient score functions and efficiency bounds under four stochastic assumptions partially uncorrelated , independence , conditional symmetry , and conditional zero mean. A feasible efficient estimation method for the linear part of the model is also developed based on the efficient score function associated with each parametric submodel. A battery of specification test that allows for choosing between the alternative assumptions is provided.

内容概要

Nonparametric and semiparametric modeling and estimation procedures are now widely applied in econometrics. Their popularity generally comes from the reduction of the probability of misspecification compared with their parametric counterpart. My research is composed of two parts : a theoretical part on semiparametric efficient estimation of partially linear model and an applied part in energy economics under different dynamic settings.

书籍目录

1. Introduction1.1. Parametric and Nonparametric Modeling and Estimation1.2. Book Structure2. Semiparametric Efficient Estimation of Partially Linear Model2.1. Introduction2.2. Model and Previous Results2.3. Semiparametric Efficiency Bounds2.4. Feasible and Efficient Estimation2.5. Specification Test2.6. Sampling Results2.7. Conclusion3. Optimal Dynamic Production Policy : The Case of a Large Oil Field in Saudi Arabia3.1. Introduction3.2. Dynamic Modeling of Oil Production Decisions3.3. Data and Estimations3.4. Theoretical Issues3.5. Simulation Results3.6. Conclusion4. The Effects of Oil Price Volatility on Technical Change4.1. Introduction4.2. Channels of Transmission and Oil Price Volatility4.3. A Measure of Volatility4.4. A Measure of Innovation (Technical Change) 4.5. Vector Autoregression4.6. Conclusion5. Promoting Renewable Electricity Generation in Imperfect Markets : Price vs.Quantity Control5.1. Introduction5.2. Promoting Renewable Electricity in a Perfectly Competitive Market5.3. Duopoly Market and Quasi-symmetric Costs5.4. Welfare Comparison Between Subsidy and Quota-based Policies5.5. Policy Implications5.6. ConclusionAppendixReferences

章节摘录

A comparison of the optimal oil production policy paths under different simulation scenarios indicates that the discount rate does not have a significant effect on the optimal extraction rates and the number of new wells drilled for capacity expansion. A lower discount rate like 0.7, which might indicate a high demand for short-term oil income, would lead to a higher production rate in the short run but a lower capacity in the future compared with the outcome when $r = 0.9$. Figure 3.12 suggests that Saudi oil production is relatively better approximated by scenario I ($r = 0.9$) before 1990. After the Gulf crisis occurred in 1989 - 1990, scenario II ($r = 0.7$) approximates the real path better, and actually in 1990 the two paths coincide.

版权说明

本站所提供下载的PDF图书仅提供预览和简介, 请支持正版图书。

更多资源请访问:<http://www.tushu007.com>