

Journal of Econometrics 100 (2001) 99-112

JOURNAL OF Econometrics

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Retrospection

Some publishing facts, figures, and observations on the occasion of Volume 100, number 1 of the *Journal of Econometrics*

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Introduction

The first issue of the *Journal of Econometrics* appeared in 1973 under the editorship of Dennis J. Aigner, Phoebus Drymes and Arnold Zellner. Of those original editors, Arnold Zellner is still continuing in that capacity. Since its founding, the Journal has gone through a number of changes; most notably the expansion from 400 pages annually to 2400 pages in the year 2000, and the establishment of a series of special issues generally referred to as *Annals*. It is fair to state that in those 27 years the *Journal of Econometrics* has become a respected and well-known academic journal serving the econometrics community by publishing close to 2000 articles from authors all over the world.

The milestone of the publication of Volume 100, number 1 is an appropriate moment to look back from a publisher's perspective and provide details useful to the econometrics community in their perception of the Journal and look ahead to the near future, especially to recent developments in electronic publishing. Due to the limited nature of the data, the information does not constitute any scientific relevance but should only be regarded as indicative.

Position of the Journal of Econometrics

The official Aims and Scope states that the *Journal of Econometrics* is designed to serve as an outlet for important new research in both theoretical and applied

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econometrics. The scope of the Journal includes papers dealing with estimation and other methodological aspects of the application of statistical inference to economic data, as well as papers dealing with the application of econometric techniques to substantive areas of economics. Econometric research in the traditional divisions of the discipline or in the newly developing areas of social experimentation are decidedly within the range of the Journal's interests. In a 1988 market-survey carried out among 249 regular readers of whom 79 returned fully completed and useful questionnaires, Elsevier asked their opinion on the Aims and Scope of the journal and their perception as to its strenghts. Most poignant in the replies is that (1) the Journal is viewed as publishing a good balance of theory and applied empirical work, and (2) the reputation and quality of the published papers is excellent. Clearly, the editors have been able to attract relevant papers and the editorial policy of the editors has been recognised by the audience.

Annals of Econometrics

First published in 1979, the Annals of Econometrics are an integral part of the Journal of Econometrics. Each issue of the Annals includes a collection of papers on an important topic in econometrics, selected by the editor of that issue. Leading researchers have contributed papers on such topics as welfare econometrics of peak-load pricing for electricity, censored or truncated regression models, non-nested models, model specification, econometric analysis of duration data, pre-test and Stein-rule estimators, Bayesian analysis of econometric models, etc. The in-depth treatment of specific topics in issues of the Annals are of value to researchers, teachers and students in applied and theoretical econometrics. The 1998 market study confirmed the position of the Annals as 67 of the 79 respondents valued the Annals with 'fairly good'; 'good' to 'highly valued'.

Between 1990 and June 2000, the Journal of Econometrics published 30 Annals issues. This list together with the names of the (guest) editors of those Annals is printed below. It should be noted that there is an abstracts archive available on the homepage of the Journal at www.elsevier.nl/homepage/sae/econbase/ econom/menu.sht

Annals of Journal of Econometrics					
Title	Editor(s)	Year/Vol/Issue no.			
Principles of Econometrics	Charles F. Manski and Arthur S. Goldberger	2000:95/2			
Econometric Methods for Derivative Securities and Risk Management	Rene Garcia, Eric Ghysels and Eric Renault	2000:94/1&2			

Title	Editor(s)	Year/Vol/Issue no.
Marketing and Economics	T. Wansbeek and M. Wedel	1999:89/1&2
Studies in Econometrics in Honor of Carl F. Christ	Lawrence Klein	1998:83
Nonparametric Dynamic Modelling	H. Lütkepohl	1997:81/1
Cointegration and Dynamics in Economics	D.F. Hendry and N. Shephard	1997:80/2
Duration Transition and Count Data Models	C. Gouriéroux and T. Magnac	1997:79/1
Analysis of Data on Health	A. Bhargava	1997:77/1
Bayesian and Classical Econometric Modelling of Time Series	L. Bauwens and M. Lubrano	1997:69
Bayes, Bernoullis, and Basel	L. Bauwens, W. Polasek and H.K. van Dijk	1996:75/1
Asymmetries and Nonlinearities in Dynamic Economic Models	S. Burgess, A. Escribano and G. Pfann	1996:74/1
Fractional Differencing and Long Memory Processes	R.T. Baillie and M.L. King	1996 73/1
Recent Developments in the Econometrics of Structural Change	JM. Dufour and E. Ghysels	1996:70/1
Panel Data	B.H. Baltagi	1995:68/1
The Significance of Testing in Econometrics	Hugo A. Keuzenkamp and Jan R. Magnus	1995:67/1
Essays in Applied Economics	M. Fuss, R. Gronau and A. Pakes	1995:65/1
Structure and Dynamics in Econometrics	J.F. Kiviet and H.K. van Dijk	1994 63
The Econometrics of Labor Market Segregation and Discrimination	S. Neuman and J. Silber	1994:61/1
Seasonality and Econometric Models	E. Ghysels	1993:55/1&2
The Econometrics of Panels and Pseudo Panels	Carlo Carraro, Franco Peracchi and Guglielino Weber	1993:59/1&2
Nonparametric and Semiparametric Approaches to Discrete Response Analysis	Wolfgang Hardle and Charles F. Manski	1993:58/1&2
Studies in Econometrics in Honor of D.J. Aigner	C. Hsiao and P. Ruud	1993:45/1&2
Seasonality and Econometric Models	Eric Ghysels	1993:55/1&2
ARCH Model in Finance	R.F. Angle and M. Rothschild	1992:52/1&2
The Measurement and Analysis of Welfare	Esfandiar Maasoumi	1991:50/1&2
Bayesian Empirical Studies in Economics and Finance	D.J. Poirier	1991:49/1&2
Diagnostic Testing	G.H. Hillier and M.L. King	1991:47
Frontier Analysis Econometric Methods and Financial Time Series	A.Y. Lewin and C.A. Knox Lovell J.Y. Campbell and A. Melino	1990:46/1&2 1990:45

Annals of Journal of Econometrics

Title	Editor(s)	Year/Vol/Issue no.
Contributions to Econometric Methodology in Honor of T.W. Anderson	D.J. Aigner	1990:44/1&2
Econometric Issues in Analyzing Inequality	D. Slottje	1990:43

Annals of Journal of Econometrics

Articles published in the Journal of Econometrics

The Journal is a truly international journal drawing its submissions from virtually all the countries of the world, with an understandable emphasis on the USA. The table below is based on 1407 published articles in the Journal during 1981–1999 from 32 countries with more than 1 article published in the Journal. For clarity, countries with only 1 article have been omitted from the survey. In general, the chart follows the pattern of other mainstream economics journals as published by Elsevier: the emphasis of authors are in the USA with 839 articles in that period; thereafter, Canada followed by Western Europe, of which the UK is the most productive country. Remarkable is the strong position of authors from Australia. The complete table printed below also provides details on the number of citations.

Part IVa	Bibliometric Statistics by publishing country.
	Countries sorted by descending number of articles.
	Countries with more than one publication only.
Limited	Articles, letters, notes & reviews.
Journal	JOURNAL OF ECONOMETRICS
Year	1981–1999
Window	18 year(s) Including Self-citations

Rank	Country	N	Mean	Median	Mode	Q3	P90
1	USA	839	13.79	4.00	0.00	13.00	33.00
2	Canada	133	10.57	3.00	0.00	10.00	31.00
3	Great Britain	128	8.97	4.00	0.00	10.00	23.00
4	Netherlands	87	5.15	2.00	1.00	7.00	15.00
5	Australia	70	9.57	5.00	0.00	9.00	22.00
6	Germany	37	6.11	1.00	0.00	5.00	14.00
7	France	34	5.56	2.00	0.00	7.00	16.00

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Rank	Country	N	Mean	Median	Mode	Q3	P90
8	Japan	33	4.45	2.00	0.00	5.00	11.00
9	Belgium	24	10.13	2.50	0.00	6.00	13.00
10	Italy	19	2.11	1.00	0.00	4.00	7.00
11	Denmark	18	56.94	11.50	0.00	69.00	169.00
12	South Korea	14	4.36	1.50	0.00	5.00	15.00
13	Spain	14	3.50	2.00	0.00	6.00	8.00
14	Israel	13	5.23	4.00	2.00	10.00	12.00
15	Hong Kong	12	1.00	0.00	0.00	2.50	3.00
16	New Zealand	11	5.09	2.00	0.00	6.00	16.00
17	Austria	10	8.10	5.50	3.00	9.00	21.50
18	Switzerland	9	1.22	0.00	0.00	1.00	8.00
19	Finland	8	2.63	1.00	1.00	4.00	10.00
20	India	8	3.88	3.50	0.00	6.00	9.00
21	Poland	8	3.00	2.00	1.00	5.00	8.00
22	Sweden	7	5.57	3.00	0.00	10.00	21.00
23	Mexico	5	22.80	10.00	2.00	43.00	56.00
24	Norway	5	13.40	13.00	2.00	19.00	21.00
25	Taiwan	5	8.40	3.00	0.00	12.00	27.00
26	Greece	4	0.50	0.00	0.00	1.00	2.00
27	Singapore	4	3.00	2.00	0.00	5.50	8.00
28	Brazil	3	19.00	14.00	0.00	43.00	43.00
29	Ireland	2	2.50	2.50	0.00	5.00	5.00
30	Peoples R China	2	0.50	0.50	0.00	1.00	1.00
31	Turkey	2	1.00	1.00	0.00	2.00	2.00
32	Venezuela	2	2.50	2.50	2.00	3.00	3.00

Median half of the articles are under this number and the other half is above.

Q3 is the third quantile: 75% has less than *n* citations.

P90 90% has less than *n* citations – therefore, top 10 articles are higher than that figure.

When looking at the affiliations of the authors, the top five publishing institutes are the University of California at San Diego, University of London, University of Chicago, UCLA, Yale and MIT. The complete list of 245 institutes with the number of published articles and citation levels based upon data derived from the Institute of Scientific Information (ISI[®]) is available by e-mail from j.dirkmaat@elsevier.nl.

Most frequently cited articles of the Journal of Econometrics

We surveyed citation data over the period 1981–1999 relating to articles published in the *Journal of Econometrics* within that period. Data relating to articles published in the period from 1973 (first year of publication) up to and including 1980 was not available. Consequently several articles were measured

over a period of 18 years and some for only 1 year or even less. The following list can thus only be seen as indicative. However, availability of similar data over other journals gives us reason to assume that the following two articles have greatly contributed to the reputation and visibility of *the Journal of Econometrics:*

- *Forecasting and testing in co-integrated systems* by Robert F. Engle and Byung Sam Yoo published in 1987, vol. 35/1.
- Generalized autoregressive conditional heteroskedasticity by Tim Bollerslev published in 1986, vol. 52/1-2.

Both articles attracted over 450(!) citations since their publication and can clearly be labelled as pioneering. Further in this issue, both papers are reprinted in that entirety. Articles which received more than 50 citations since their publication are listed below:

Rank	Cites	Title of Article	Author(s)
1	479	Forecasting And Testing In Co-Integrated Systems	R.F. Engle and B.S. Yoo
2	452	Generalized Autoregressive Conditional Heteroskedasticity	T. Bollerslev
3	271	Arch Modeling In Finance – A Review Of The Theory And Empirical-Evidence	T. Bollerslev, R.Y. Chou and K.F. Kroner
4	192	Comparing Alternative Tests Of Causality In Temporal Systems – Analytic Results And Experimental-Evidence	J. Geweke, R. Meese and W. Dent
5	181	On The Estimation Of Technical Inefficiency In The Stochastic Frontier Production Function Model	J. Jondrow, C.A.K. Lovell, I.S. Materov and P. Schmidt
6	180	Some Properties Of Time-Series Data And Their Use In Econometric-Model Specification	C.W.J. Granger
7	178	Understanding Spurious Regressions In Econometrics	P.C.B. Phillips
8	169	Seasonal Integration And Cointegration	S. Hylleberg, R.F. Engle, C.W.F. Granger and B.S. Yoo
9	168	Testing The Null Hypothesis Of Stationarity Against The Alternative Of A Unit-Root - How Sure Are We That Economic Time-Series Have A Unit-Root	D. Kwiatkowski, P.C.B. Phillips, P. Schmidt and Y.C. Shin
10	160	On The Formulation Of Empirical-Models In Dynamic Econometrics	D.F. Hendry and J.F. Richard
11	144	Tobit Models – A Survey	T. Amemiya
12	139	Some Recent Developments In A Concept Of Causality	C.W.J. Granger
13	123	Econometric Duration Analysis	J.J. Heckman and B. Singer

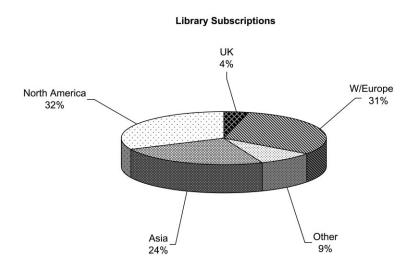
Rank	Cites	Title of Article	Author(s)
14	121	Recent Developments In Dea – The Mathematical- Programming Approach To Frontier Analysis	L.M. Seiford and R.M. Thrall
15	117	Multivariate Regression-Models For Panel Data	G. Chamberlain
16	112	Testing Structural Hypotheses In A Multivariate Cointegration Analysis Of The Ppp And The Uip For Uk	S. Johansen and K. Juselius
17	108	2-Step 2-Stage Least-Squares Estimation In Models With Rational-Expectations	R.E. Cumby, J. Huizinga and M. Obstfeld
18	102	Foundations Of Data Envelopment Analysis For Pareto-Koopmans Efficient Empirical Production- Functions	A. Charnes, W.W. Cooper, B. Golany, L. Seiford and J. Stutz
19	96	On The Bias In Flexible Functional Forms And An Essentially Unbiased Form – The Fourier Flexible Form	A.R. Gallant
20	94	Interpreting The Evidence On Money Income Causality	J.H. Stock and M.W. Watson
21	90	Tests For Model-Specification In The Presence Of Alternative Hypotheses – Some Further Results	J.G. Mackinnon, H. White and R. Davidson
21	90	New Methods For Analyzing Structural Models Of Labor-Force Dynamics	C. Flinn and J. Heckman
22	87	Generalized-Method Of Moments Specification Testing	W.K. Newey
23	86	Least Absolute Deviations Estimation For The Censored Regression-Model	J.L. Powell
23	86	The Estimation Of The Degree Of Oligopoly Power	E. Appelbaum
23	86	Errors In Variables In Panel Data	Z. Griliches and J.A. Hausman
23	86	5 Alternative Methods Of Estimating Long-Run Equilibrium Relationships	J. Gonzalo
24	85	Recent Developments In The Econometric Estimation Of Frontiers	P.W. Bauer
24	85	Measuring Cost Efficiency In Banking – Econometric And Linear-Programming Evidence	G.D. Ferrier and C.A.K. Lovell
25	84	Short-Run Labor Productivity In A Dynamic- Model	C.J. Morrison and E.R. Berndt
26	81	Alternative Procedures And Associated Tests Of Significance For Non-Nested Hypotheses	G.R. Fisher and M. Mcaleer
27	80	A General-Approach To Lagrange Multiplier Model Diagnostics	R.F. Engle
28	76	Formulation And Estimation Of Dynamic-Models Using Panel Data	T.W. Anderson and C. Hsiao
28	76	Alternative Models For Conditional Stock Volatility	A.R. Pagan and G.W. Schwert
29	72	Production Frontiers With Cross-Sectional And Time-Series Variation In Efficiency Levels	C. Cornwell, P. Schmidt and R.C. Sickles
30	71	Random Group Effects And The Precision Of Regression Estimates	B.R. Moulton

Rank	Cites	Title of Article	Author(s)
31	70	A Note On Studentizing A Test For Hetero- scedasticity	R. Koenker
32	69	Diagnostic Testing And Evaluation Of Maximum- Likelihood Models	G. Tauchen
32	69	Cointegration In Partial Systems And The Efficiency Of Single-Equation Analysis	S. Johansen
33	68	Tests Of Non-Nested Regression-Models – Small Sample Adjustments And Monte-Carlo Evidence	L.G. Godfrey, M.H. Pesaran
34	65	Antithetic Acceleration Of Monte-Carlo Integration In Bayesian-Inference	J. Geweke
35	63	Non-Causality Due To Omitted Variables	H. Lütkepohl
35	63	Some Heteroskedasticity-Consistent Covariance- Matrix Estimators With Improved Finite-Sample Properties	J.G. Mackinnon, H. White
36	62	Latent Variable Structural Equation Modeling With Categorical-Data	B. Muthen
36	62	Productivity-Measurement With Adjustments For Variations In Capacity Utilization And Other Forms Of Temporary Equilibrium	E.R. Berndt and M.A. Fuss
37	59	Linear-Regression After Selection	A.S. Goldberger
38	58	Alternative Algorithms For The Estimation Of Dynamic Factor, Mimic And Varying Coefficient Regression-Models	M.W. Watson and R.F. Engle
38	58	Arch Models As Diffusion Approximations	D.B. Nelson
38	58	Pricing Foreign-Currency Options With Stochastic Volatility	A. Melino and S.M. Turnbull
39	56	Semiparametric Analysis Of Discrete Response – Asymptotic Properties Of The Maximum Score Estimator	C.F. Manski
39	56	Model-Specification Tests – A Simultaneous Approach	A.K. Bera and C.M. Jarque
39	56	Nonparametric Analysis Of Optimizing Behavior With Measurement Error	H.R. Varian
40	55	The Role Of Multiplier Bounds In Efficiency Analysis With Application To Kansas Farming	R.G. Thompson, L.N. Langemeier, C.T. Lee, E Lee and R.M. Thrall
40	55	Asymptotic Efficiency In Estimation With Conditional Moment Restrictions	G. Chamberlain
41	53	Polyhedral Cone-Ratio Dea Models With An Illustrative Application To Large Commercial- Banks	A. Charner, W.W. Cooper, Z.M. Huang and D.B. Sun
41	53	Prediction Of Firm-Level Technical Efficiencies With A Generalized Frontier Production Function And Panel Data	G.E. Battese and T.J. Coelli
42	52	The Use Of Time-Series Processes To Model The Error Structure Of Earnings In A Longitudinal Data-Analysis	T.E. Macurdy

Rank	Cites	Title of Article	Author(s)
42	52	Assessing The Potential Demand For Electric Cars	S. Beggs, S. Cardell and J. Hausman
42	52	Specification And Testing Of Some Modified Count Data Models	J. Mullahy
43	51	Convenient Specification Tests For Logit And Probit Models	R. Davidson and J.G. Mackinnon

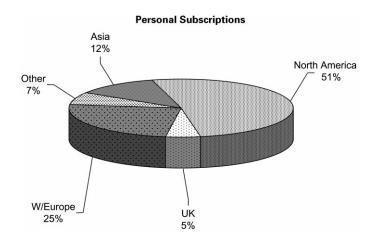
Readership of the Journal of Econometrics

Readership of the *Journal of Econometrics* is strongly represented among academic researchers. In 1999, over 90% of the library subscribers were from this market segment; the remainder come from central planning agencies, various statistical bureaus and governmental agencies. Coverage of library subscribers is world-wide as apparent from the chart below:



Personal subscriptions

Personal subscribers are mainly from the USA and Western Europe, as shown by the chart 'Personal subscription'. The total number of subscribers is somewhat hampered by an annual subscription price of US\$160. In absolute terms it may seem somewhat high but is fully understandable in relation to the 2400 pages published in the Journal annually. Personal subscribers are actually charged an amount close to marginal printing cost, postage and handling. There is a strong relation between this group of individuals and publishing authors in the Journal; this is enhanced by the fact that personal subscribers are exempted from paying the usual US\$40 submission fee.



Electronic publishing

Major objectives of Elsevier Science/North-Holland have traditionally been aimed to increase awareness, distribution and retrievability of articles published in its journals – for the benefit of its authors, readers and the publishing house itself. A very visible effort was started in 1992 with the publication of *Economics Alert*, a newspaper alerting service that was distributed quarterly among 12,500 economists and econometricians. It provided tables of contents and occasionally abstracts of papers published in more than 40 economics journals published by North-Holland.

Retrievability

The introduction of the Web in 1996 changed all this. In that year the *Journal* of *Econometrics* had its first version of a homepage as a part of Elsevier's Internet catalogue. That effort was quickly expanded with additional data such as an abstracts archive going back and including 1990. This archive contains more than 900 abstracts of papers published in the *Journal of Econometrics* and is fully

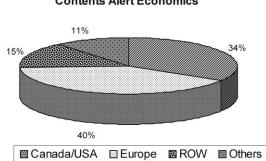
searchable by key words, JEL-codes and authors. This archive is in the public domain and can be accessed by anybody, at any time, irrespective of subscription to the Journal.

The search function is especially useful as it links the information published in the *Journal of Econometrics* with similar data, including the abstracts of 19,000 published articles, in all 64 economics, econometrics and finance journals under ECONbase: www.elsevier.nl/locate/econbase. This set-up guarantees easy retrievability of all papers published in the Journal by all more than 31.000 monthly ECONbase visitors as of the first 6 months of 2000. Such a large number of visitors could only be attracted by the database approach and would be unlikely to ever be attracted to the website of an individual journal.

The search option is used extensively: the average visitor to ECONbase uses this function 2,4 times per visit.

Alerting

Upon publication of each issue, Elsevier/North-Holland insures that the list of contents with their authors is electronically circulated among a large audience. For optimal convenience for the readers clickable links are provided and early in 2000 we started to add the table of contents in HTML. As of June 2000 over 16.700 economists and econometricians receive information on the *Journal of Econometrics*. This ensures a wide visibility for all articles and their authors – outside the Journal's regular circle of readers. It should be emphasized that all readers of 'Contents Alert Economics' have registered themselves for this service. Geographical distribution is reflected by the chart below.



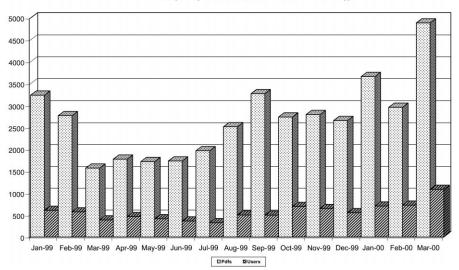
Contents Alert Economics

Full text availability

Starting in 1997, Elsevier/North-Holland made PDF-versions of the complete papers as published in their journals – including the *Journal of Econometrics* – accessible on the Web. In order for an individual economist to access the complete papers of the Journal, the library of the University/Institute concerned must have a fully-paid subscription. For current subscribers there are no additional costs for the web-version of that current year. The electronic version of the Journal comes as an 'add-on'. Access is subject to 'access and registration' procedure.

Under the ScienceDirect program there is a possibility for a library to arrange – at a small mark-up – access to back volumes of the *Journal of Econometrics* up to and including 1995. This version also offers more functions such as full text search, searching through references and linking capabilities; it is expected that further back volumes of the Journal will be added in due course.

The chart below provides the number of downloads of complete articles in PDF-format together with the number of distinct visitors, measured over the period January 1999–March 2000. The usage and visitors pattern is rather volatile. These fluctuations can partly be explained as a seasonal pattern and the implementation of an access control system early in 1999.



Full Text (PDF(Downloads and Distinct Users))

Electronic usage of full texts

Many readers of the *Journal of Econometrics* are aware of the electronic version of the Journal and use that frequently. As opposed to subscriptions to traditional paper journals, electronic journals can reliably measure usage and thus, individual articles can be ranked.

Under http://www.elsevier.nl/homepage/sae/econbase/menu.sht a ranking is presented of the top three downloaded papers of 20 Elsevier/North-Holland journals in economics. The top three from the *Journal of Econometrics* are also found among these. As readers will be interested in a more extensive list of such rankings we provide below two tables, naming the top 10 articles published in 1997 and 1998 measured over the period April 1999–March 2000.

Article	Author(s)	Year	Issue	No of requests
Subsampling for heteroskedastic time series	Politis D.N., Romano Joseph P., Wolf Michael	1997	81/2	704
Detecting shocks: Outliers and breaks in time series	Atkinson A.C., Koopman S.J., Shephard N.	1997	80/2	491
Estimating continuous-time stochastic volatility models of the short term interest rate	Andersen Torben G., Lund Jesper	1997	77/2	340
An introduction to stochastic unit-root processes	Granger Clive W.J., Swanson Norman R.	1997	80/1	333
Estimation of stochastic volatility models with diagnostics	Gallant A. Ronald, Hsieh David, Tauchen George	1997	81/1	325
Testing of unit root and other nonstationary hypotheses in macroeconomic time series	Gil-Alaña L.A., Robinson P.M.	1997	80/2	285
Nonlinear stochastic trends	Granger Clive W.J., Inoue Tomoo, Morin Norman	1997	81/1	280
Statistical inference in the multinomial multiperiod probit model	Geweke John F., Keane Michael P., Runkle David E.	1997	80/1	267
Bootstrapping cointegrating regressions	Li Hongyi, Maddala G.S.	1997	80/2	258
Augmented GARCH (p,q) process and its diffusion limit	Duan Jin-Chuan	1997	79/1	257
Business cycle analysis without much theory: a look at structural VARs	Cooley Thomas F., Dwyer Mark	1998	83/1-2	572
Structural relations, cointegration and identification: some simple results and their application	Davidson James	1998	87/1	569

Article	Author(s)	Year	Issue	No of Requests
Estimation of stochastic volatility models via Monte Carlo maximum likelihood	Sandmann Gleb, Koopman Siem Jan	1998	87/2	538
Testing the null of stationarity for multiple time series	Choi In, Chul Ahn Byung	1998	88/1	486
Forecasting turning points in countries' output growth rates: a response to Milton Friedman	Zellner Arnold, Min Chung-ki	1998	88/2	456
Pitfalls in testing for long run relationships	Gonzalo Jesús, Lee Tae-Hwy	1998	86/1	447
Initial conditions and moment restrictionsin dynamic panel data models	Blundell Richard, Bond Stephen	1998	87/1	439
Dynamic equilibrium and volatility in financial asset markets	Aït-Sahalia Yacine	1998	84/1	438
Impulse response and forecast error variance asymptotics in nonstationary VARs	Phillips Peter C.B.	1998	83/1-2	419
Convenient estimators for the panel probit model	Bertschek Irene, Lechner Michael	1998	87/2	392