

Tópicos de Series de Tiempo

María Lorena Garegnani

Programa

- *Procesos univariados estacionarios*. Procesos estacionarios. Procesos ARMA. Estimación e inferencia.
- *Vectores autorregresivos*. Estimación, inferencia e interpretación.
- *Procesos no estacionarios*. Raíces unitarias. Camino aleatorio. Tendencias determinísticas y estocásticas. Tests de raíces unitarias. Sus limitaciones.
- *Cointegración*. Tendencias comunes. VAR y Tests de cointegración. El enfoque de Engle-Granger y el enfoque de Johansen-Juselius.
- *Modelos de Corrección al Equilibrio*. VAR y Cointegración por Sistemas como una síntesis de enfoques en el camino hacia una modelación dinámica de ecuaciones simultáneas.

Referencias bibliográficas

Libros

Banerjee, A., Dolado, J., Galbraith, J. and Hendry, D.F., 1993, Co-integration, Error Correction and the Econometric Analysis of Non-Stationary Data, Oxford University Press, Oxford.

Enders, W., 1995, Applied Econometric Time Series, Wiley & Sons, Inc., New York.

Favero, C., 2001, Applied Macroeconometrics, Oxford University Press, Oxford.

Hamilton, J., 1994, Time Series Analysis, Princeton University Press, Princeton.

Hayashi, F., 2000, Econometrics, Princeton University Press, Princeton and Oxford.

Hendry, D.F., 1995, Dynamic Econometrics, Advanced Texts in Econometrics, Oxford University Press.

Juselius, K. (2006). The cointegrated VAR model: methodology and applications. Oxford University Press.

Papers

Ahumada, H. and Garegnani, M.L., 2012, Forecasting a monetary aggregate under instability: Argentina after 2001, *International Journal of Forecasting*. Volume 28, Issue 2, 412–427.

Basco, E., D'Amato, L. and Garegnani, M.L., 2009, Understanding the money–prices relationship under low and high inflation regimes: Argentina 1977–2006, *Journal of International Money and Finance*, 28, 1182–1203.

Engle, R. and Granger, C., 1987, Cointegration and Error Correction: representation, estimation and testing, *Econometrica*, Vol 50, 251-276.

Engle, R., Hendry, D.F. and Richard, J.F., 1980, Exogeneity, *Econometrica*, Vol 51, N°2, 277-304.

Ericsson, N., 1994, Testing Exogeneity: An Introduction, in Ericsson N. and Irons J. eds. *Testing Exogeneity*, Oxford University Press.

Johansen, S., 1992, Cointegration in Partial Systems and the Efficiency of Single-equation Analysis, *Journal of Econometrics*, Vol 52, 389-402.

Johansen, S., 1992, Testing Weak Exogeneity and the Order of Cointegration in U.K. Money Demand, *Journal of Policy Modelling*, Vol 14, 313-334.

Johansen, S. and Juselius, K., 1990, Maximun Likelihood Estimation and Inference on Cointegration-With Application to the Demand for Money, *Oxford Bulletin of Economics and Statistics*, Vol 52, N°2, 169-210.

Johansen, S., 1988, Statistical Analysis of Cointegration Vectors, *Journal of Economic Dynamics and Control*, Vol 12, N °2-3, 231-254.

Nelson, C. and Plosser, C., 1982, Trends and Random Walks in Macroeconomic Time Series: Some Evidence and Implications, *Journal of Monetary Economics*, 10, 130-162.

Perron, P., 1989, The Great Crash, the Oil Price Shocks and the Unit Root Hypothesis, *Econometrica*, 57, 1361-1401

Phillips, P., 1987, Time Series Regression with a Unit Root, *Econometrica*, 55, 277-301.

Rappoport P. and Reichlin L, 1989, Segmented trends and non-stationary time series. *Economic Journal*, 99, 168-177

Sims, C., 1980, Macroeconomics and Reality, *Econometrica*, 48, 1-48.

Sosa Escudero, W., 1997, Testing for Unit-Roots and Trend-Breaks in Argentine Real GDP, *Economica*, XLIII, 123-141.

Urbain, J.P., 1992, On Weak Exogeneity in Error Correction Models, *Oxford Bulletin of Economics and Statistics*, Vol 54, N°2, 187-207.

Zivot, E. and Andrews, D., 1992, Further Evidence on the Great Crash, the Oil Price Shock and the Unit Root Hypothesis, *Journal of Business and Economic Statistics*, 10, 3, 251-270.