

## Curriculum Vitæ

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### Personal Data

Native: of Madrid, yet born in Zaragoza (Spain), ages ago.  
Nationality: Spanish.  
US Visa Status: G4 Visa.

### Fields of Interest

- Development Economics, Public Finance, International Economics, Quantitative Methods, Statistics, Econometrics

### Education

Dec/91: Ph.D. in Economics, specialization in Public Finance and Econometrics, The University of Michigan, Ann Arbor.  
May/88: M.A. in Statistics, M.A. in Economics, The University of Michigan, Ann Arbor.  
1984–86: Graduate Program on Quantitative Economics at the Bank of Spain, Madrid, Spain.  
June/84: *Licenciado* in Economics, specialization in Quantitative Economics and Economic Analysis, *Universidad Complutense*, Madrid, Spain.

### Professional Experience

Aug/06–present: Lead Economist, The World Bank, Economic Policy and Debt Department, Poverty Reduction and Economic Management

June/98–Aug/06: International Monetary Fund, Washington DC. Dec05–Aug06: Sr Economist, Macroeconomic Studies, Research Department; Mar–Dec/05: Sr Economist, Tax Policy, FAD; Apr/03–Feb/05: Sr Economist, Fiscal Policy and Surveillance, FAD; Jan/01–Apr/03: Sr Economist, Asian Division, IMF Institute; June/98–Dec/00: Economist, Tax Policy Division, Fiscal Affairs Department (FAD).

Nov/96–June/98: Senior Economist, Fundación de Estudios de Economía Aplicada (FEDEA), Madrid, Spain.

Sep/94–Sep/96: Fellow, Energy and Natural Resources Division, Resources for the Future, Washington DC.

Fall 91–Summer 94: Assistant Professor of Economics, *Universidad Carlos III de Madrid*, Spain.

Fall 93: Visiting Assistant Professor of Economics, The University of Michigan, Ann Arbor.

Spring 92: Lecturer in the Graduate Program in Public Administration, *Instituto Universitario Ortega y Gasset*, Madrid, Spain.

Aug–Sep/91: Assistant Professor of Economics, Summer School of Economics, Olsztyn, Poland.

Winter 91: Adjunct Lecturer in Economics, The University of Michigan, Ann Arbor.

Summer 90&93: Lecturer of Mathematics at the “Summer Program in Policy Skills for Minority Students,” at the Institute of Public Policy Studies, The University of Michigan, Ann Arbor.

Summer 87–Winter 89: The University of Michigan, Ann Arbor, Economics Department: R.A. to Hal Varian (Jan/88–Jan/90). T.A. to Hal Varian (Microeconomics, Graduate Level, Fall 88). T.A. to Ted Bergstrom (General Equilibrium and Game Theory, Graduate Level, Winter 89). R.A. to David Lam and Jeff Miron (June–Aug/87).

## Journal Articles

- [29] “On the Effect of Prior Assumptions in Bayesian Model Averaging with Applications to Growth Regression;” with Mark F.J. Steel, *Journal of Applied Econometrics* (2009) 24(4): 651–674.
- [28] “On the Probabilistic Approach to Debt Sustainability: Structural Change and Non-Normality;” with Nathaniel Frank, *IMF Staff Papers* (2009), 56(4): 742–757.
- [27] “Comments on ‘Jointness of Growth Determinants’ ” with Mark F.J. Steel *Journal of Applied Econometrics* (2009), 24(2): 248–251.
- [26] “A Tax-Based Approach to Slowing Global Climate Change;” with Joseph E. Aldy and Ian Parry, *National Tax Journal* (2008), 61: 493–517.
- [25] “Jointness in Bayesian Variable Selection with Applications to Growth Regression;” with Mark F.J. Steel, *Journal of Macroeconomics* (2007), 29: 476–493.
- [24] “Statistical Inference as a Bargaining Game;” *Economics Letters* (2006), 93: 142–149.
- [23] “Whose Inflation? A Characterization of the CPI Plutocratic-Democratic Gap,” *Oxford Economic Papers* (2005), 57: 637–646.
- [22] “The Plutocratic Gap in the CPI: Evidence from Spain,” with Javier Ruiz-Castillo and Mario Izquierdo, *IMF Staff Papers* (2003), 50(1): 136–155.
- [21] “Tax Incentives for Business Investment: A Primer for Policymakers in Developing Countries,” with Howell Zee and Janet Stotsky, *World Development* (2002), 30(9): 193–230.
- [20] “The Laspeyres Bias in the Spanish Consumer Price Index,” with Javier Ruiz-Castillo and Mario Izquierdo, *Applied Economics* (2002), 3: 2267–76.
- [19] “Statistical Modelling of Catch in the North Atlantic,” with Carmen Fernández and Mark F.J. Steel, *Journal of the Royal Statistical Society, Series C* (2002), 51(3): 257–280.
- [18] “Distributional Aspects of the Quality Change Bias in the CPI. Evidence from Spain,” with Javier Ruiz-Castillo and Mario Izquierdo, *Economics Letters* (2002), 76(1): 137–144.
- [17] “Spatially and Intertemporally Efficient Solid Waste Management,” with Molly Macauley and Stephen W. Salant, *Journal of Environmental Economics and Management* (2002), 43(2): 188–218.
- [16] “On Plutocratic and Democratic CPIs,” *Economics Bulletin* (2002), 4(3): 1–5.
- [15] “Model Uncertainty in Cross-Country Growth Regressions,” with Carmen Fernández, and Mark F.J. Steel, *Journal of Applied Econometrics* (2001), 16(5): 563–576.
- [14] “Benchmark priors for Bayesian Model Averaging,” with Carmen Fernández and Mark F.J. Steel, *Journal of Econometrics* (2001), 100(2): 381–427.
- [13] “Restricting the Trash Trade,” with Molly K. Macauley and Stephen W. Salant, *American Economic Review* (2000), 90(2): 243–246.
- [12] “Non-Cooperative Public Good Provision and Productivity Differentials,” *Scandinavian Journal of Economics* (1998), 100(3): 565–574.
- [11] “A Model of Management Teams,” with Mark F.J. Steel, *Managerial and Decision Economics* (1998), 19(6): 355–363.
- [10] “Optimal Provision of Public Goods with Altruistic Individuals,” *Economics Letters* (1997), 54(1): 23–28.
- [09] “Bayesian Analysis of Long Memory and Persistency using ARFIMA Models,” with Gary Koop, Jacek Osiewalski and Mark F.J. Steel, *Journal of Econometrics* (1997), 76(1–2): 149–170.
- [08] “On the Peculiar Distribution of the US Stock Indices First Digits,” *The American Statistician* (1996), 50(4): 311–314.
- [07] “On the Estimation of Demand Systems through Consumption Efficiency,” with Mark F.J. Steel, *The Review of Economics and Statistics* (1996), 78(3): 539–543.
- [06] “A Frontier Model for Landscape Ecology: The Tapir in Honduras,” with Kevin Flesher, *Environmental and Ecological Statistics* (1996), 3(2): 119–125.

- [05] “On The Private Provision of Public Goods: A Diagrammatic Exposition,” *Investigaciones Económicas* (1996), 20(1): 105–123.
- [04] “Implications of Existing Tax Policy for Cross-Border Activity Between the U.S. and Mexico after NAFTA,” with Roger H. Gordon, *National Tax Journal* (1994), 47(2): 435–445.
- [03] “Are There Psychological Barriers in the Dow-Jones index?,” with Hal R. Varian, *Applied Financial Economics* (1994), 4(3): 217–224.
- [02] “Switching Regressions and Activity Analysis: A New Approach to Frontier Estimation,” *Economics Letters* (1992), 40(4): 407–412.
- [01] “Eficiencia Productiva: Un Estudio Aplicado al Sector Hospitalario,” *Investigaciones Económicas* (1991), 15(1): 71–88, and 15(3): 755–756.

### Other Publications

- [11] “Frontier Models,” *Encyclopedia of Environmetrics*, London: Wiley, 2001.
- [10] *La Medición de la Inflación en España (The Measurement of Spanish Inflation)* with Javier Ruiz-Castillo and Mario Izquierdo, la Caixa: Barcelona, 1999.
- [09] “Statistical modelling of fishing activities in the North Atlantic,” with C. Fernández and Mark Steel, in R. W. Payne and P. W. Lane, eds., *COMPSTAT 1998, Proceedings in Computational Statistics, Short Communications and Posters*, Harpenden: IACR-Rothamsted, 1998.
- [08] “Carbon Policy: Some Conceptual Issues” with Roger Sedjo, in *The Economics of Terrestrial Carbon Sequestration*, R. Sedjo et al. (editors), pp. S185-S192, Lewis Publishers Inc., Boca Raton, FL, 1997.
- [07] “Carbon and Tree Plantations: A Case Study in Argentina,” with Roger Sedjo, in *The Economics of Terrestrial Carbon Sequestration*, R. Sedjo et al. (editors), pp. S177-S184, Lewis Publishers Inc., Boca Raton, FL, 1997.
- [06] “Conceptual Issues Related to Carbon Sequestration: Uncertainty and Time,” with Cornelis van Kooten, Alan Grainger, Gregg Marland and Birger Solberg, in *The Economics of Terrestrial Carbon Sequestration*, R. Sedjo et al. (editors), Lewis Publishers Inc., Boca Raton, FL, 1997.
- [05] “Data Envelopment Analysis and Data Screening,” in *Computational Economics and Finance: Modelling and Analysis with Mathematica*, Hal Varian (editor), Santa Clara CA: Springer-Verlag, 1996.
- [04] “Instruments for Global Warming Mitigation: The Potential Role of Large-Scale Forestry Projects in Argentina,” with Roger Sedjo, in *Climate Change Mitigation and European Land Use Policy*, Davide Pettenella and Martin Whitby (editors), Oxford: CAB International, 1997.
- [03] “Technical Efficiency,” “Confidence Intervals,” and “Maximin criterion,” in *The Blackwell Encyclopaedic Dictionary of Managerial Economics*, London: Basil Blackwell, 1996.
- [02] “Discussion of ‘Linear Programming Approaches to the Measurement and Analysis of Productive Efficiency’ by C.A.K. Lovell,” and ‘Discussion of ‘Validation and Generalization of DEA and its uses’ by R.D. Banker and W.W. Cooper,” *TOP*, 2:2, 230–234, and 308–309, 1994.
- [01] “Bayesian Econometrics: Conjugate Analysis and Rejection Sampling,” with Mark F.J. Steel in *Economic and Financial modeling with Mathematica*, Hal Varian (editor), Berlin: Springer-Verlag, 1993.

### Other

- **Managing Editor** of the *Spanish Economic Review*, 2007–09. ○ **Editorial Board** of *Revista de Economía Aplicada*, 2003–07; ○ **Editorial Board** of *Presupuesto y Gasto Público*, 2004–06. ○ **Editorial Board** of *IMF Staff Papers*, 2001–06. ○ **Editorial Committee** of *Investigaciones Económicas*, 1997–98, and **Editorial Board**: 1994–96, 1998–2004.
- **Member of Scientific Committee** for several conferences, including: IMF Annual Research Conference, 2003 and 2006. Simposio de Análisis Económico, 2006, 2005, 2002, 2001. Encuentro de Economía Aplicada, 2006, 2005, 2004.
- **Fellowships**: 1989–91: Fellowship from the Bank of Spain. ○ May–Aug/89: Horace H. Rackham One-Term Dissertation Fellowship, The University of Michigan, Ann Arbor. ○ 1986–88: Fellowship from the *Fundación Banco Exterior*, Spain. ○ Jan–March/85: Research Fellowship from the Spanish Ministry of Education and Science. ○ Aug/83: Scholarship at the *Universidad Internacional Menéndez Pelayo*, Santander, Spain.