

Javier Ruiz-Castillo

Retired Professor, and member of Instituto de Economía, Universidad Carlos III de Madrid.

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YEAR OF BIRTH: May 19, 1944

EDUCATION

- Licenciado in Ciencias Económicas, Universidad Complutense de Madrid, June 1967.
- *Master of Arts* in Economics, University of Essex, Colchester, United Kingdom, June 1969.
- *Ph. D.* in Economics, Northwestern University, Evanston, Illinois, U.S.A., June 1978.

DOCTORAL DISSERTATION

"Residential Choice and General Equilibrium Theory. Existence and Properties of a Competitive Equilibrium in a Special Case"

Advisor: Professor Hugo Sonnenschein.

FIELDS OF INTEREST

- Welfare Economics
- Public Economics
- Microeconomics
- Scientometrics
- Biological Anthropology

PUBLICATIONS

SCIENTOMETRICS

I. The Measurement of Citation Impact

1. “The Measurement of Low- and High-impact in Citation Distributions: Technical Results”, [with Pedro Albarrán, and Ignacio Ortuño], *Journal of Informetrics*, **5**: 48-63 (2011).
2. “The Citation Merit of Scientific Publications”, [with Juan A. Crespo, and Ignacio Ortuño], *PLoS ONE*, **7**: e49156 (2012).
3. “Research output indicators are not productivity indicators”, *Journal of Informetrics*, **10**: 661-663 (2016).
4. “The Herrero-Villar approach to citation impact: a ranking procedure based on a tournament between research units”, [with Pedro Albarrán, Carmen Herrero, and Antonio Villar], *Journal of Informetrics*, **11**: 625-640.

II. Field Normalization

5. “The Measurement of the Effect on Citation Inequality of Differences in Citation Practices Across Scientific Fields”, [with Joan A. Crespo and Yunrong Li], *PLoS ONE*, **7**(3): e33833 (2013)
6. “The Effect On Citation Inequality Of Differences In Citation Practices At the Web Of Science Subject Category Level” [con Juan A. Crespo, Neus Herranz, and Yunrong Li], *Journal of the American Society for Information Science and Technology*, **65**: 1244-1256 (2014).
7. “Quantitative Evaluation of Alternative Field Normalization Procedures”, [with Yunrong Li, Filippo Radicchi, and Claudio Castellano], *Journal of Informetrics*, **7**: 746–755, (2013).
8. “A comparison of two ways of evaluating research units working in different scientific fields”, [con Antonio Perianes-Rodríguez], *Scientometrics*, **106**: 539-561 (2015).
9. “On the quest for currencies of science: field “exchange rates” for citations and Mendeley readership”, [with Rodrigo Costas, and Antonio Perianes-Rodríguez], *Aslib Journal of Information Management*, **69**: 557-575 (2017).

III. Classification Systems

10. “The Comparison of Normalization Procedures Based on Different Classification Systems”, [with Yunrong Li], *Journal of Informetrics*, **7**: 945-958 (2013).
11. “The Comparison of Classification-system-based Normalization Procedures with Source Normalization Alternatives in Waltman and Van Eck (2013)”, *Journal of Informetrics*, **8**: 25-28 (2014).

12. “Field-normalized Citation Impact Indicators Using Algorithmically Constructed Classification Systems of Science”, [with Ludo Waltman], *Journal of Informetrics*, **9**: 102-117, (2015).

13. "A comparison of the Web of Science with publication-level classification systems of science", [with Antonio Perianes-Rodríguez], *Journal of Informetrics*, **11**: 32-45 (2017).

14. “The impact of classification systems in the evaluation of the research performance of the Leiden Ranking universities” [with Antonio Perianes-Rodríguez], *Journal of the American Society for Information Science and Technology*, **69**: 1046-1053 (2018).

IV. The Multiplicative versus the Fractional Approach

15. “Multiplicative and Fractional Strategies When Journals Are Assigned to Several Sub-fields”, [with Neus Herranz], *Journal of the American Society for Information Science and Technology*, **63**: 2195–2205 (2012).

16. “Sub-field Normalization In the Multiplicative Case: Average-based Citation Indicators”, [with Neus Herranz], *Journal of Informetrics*, **6**: 543-556 (2012).

17. “Sub-field Normalization In the Multiplicative Case: High- and Low-impact Indicators” [with Neus Herranz], *Research Evaluation*, **21**: 113-125 (2012).

18. “Multiplicative versus fractional counting methods for co-authored publications. The case of the 500 universities in the Leiden Ranking”, [with Antonio Perianes-Rodríguez], *Journal of Informetrics*, **9**: 974-989 (2015).

V. The Skewness of Science

19. “References Made and Citations Received By Scientific Articles”, [with Pedro Albarrán], *Journal of the American Society for Information Science and Technology*, **62**: 40-49 (2011).

20. “The Skewness of Science In 219 Sub-fields and A Number of Aggregates”, [with Pedro Albarrán, Joan Crespo, and Ignacio Ortuño], *Scientometrics*, **88**: 385-397 (2011).

21. “The Evaluation of Citation Distributions”, *SERIES*, **3**: 291-310 (2012).

22. “The Role of Statistics in Establishing the Similarity of Citation Distributions in a Static and a Dynamic Context”, *Scientometrics*, **96**: 173-181 (2013).

23. “The Impact of Extreme Observations in Citation Distributions”, [with Yunrong Li], *Research Evaluation*, **23**: 174-182 (2014).

24. “The Skewness of Scientific Productivity”, [with Rodrigo Costas], *Journal of Informetrics*, **8**: 917-934 (2014).

25. “Differences In Citation Impact Across Countries”, [with Pedro Albarrán, and Antonio Perianes], *Journal of the American Society for Information Science and Technology*, **66**: 512-525 (2015).

26. “University Citation Distributions”, [with Antonio Perianes-Rodríguez], *Journal of the American Society for Information Science and Technology*, **67**: 2790-2804 (2016).

27. "Individual and Field Citation Distributions in 29 Broad Scientific Fields", [with Rodrigo Costas], *Journal of Informetrics*, **12**: 868-892 (2018).

VI. The “European Paradox”

28. "A Comparison of the Scientific Performance of the U.S. and the European Union at the Turn of the XX Century", [with Pedro Albarrán, Juan A. Crespo, and Ignacio Ortuño], *Scientometrics*, **85**: 329-345 (2010).

29. “High- and Low-impact Citation Measures: Empirical Applications”, [and Pedro Albarrán, and Ignacio Ortuño], *Journal of Informetrics*, **5**: 122-145 (2011).

30. “Average-based versus High- and Low-impact Indicators for the Evaluation of Scientific Distributions”, [with Pedro Albarrán, and Ignacio Ortuño], *Research Evaluation*, **20**: 325-339 (2011).

31. "The End of the 'European Paradox'", [with Neus Herranz], *Scientometrics*, **95**: 453-464 (2013).

VII. The Economics of Economics

32. Economic Research in Spain during the 1990's: A Literature Review”, *Spanish Economic Review*, **10**: 221-249 (2008).

33. “The Evolution of the Scientific Productivity of Highly Productive Economists” [with Raquel Carrasco], *Economic Inquiry*, **52**: 1-16 (2014).

34. “Within and Across Department Variability in Individual Productivity. The Case of Economics”, [with Antonio Perianes-Rodríguez], *Scientometrics*, **102**: 1497-1520 (February 2015).

35. “Are migrants more productive than stayers? some evidence from a set of highly productive academic economists” [with Pedro Albarrán, and Raquel Carrasco], *Economic Inquiry*, **55**: 1308-1323 (2017).

36. “Geographic mobility and research productivity in a selection of top world economics departments”, [with Pedro Albarrán, and Raquel Carrasco], *Scientometrics*, **111**: 241-265 (2017).

37. “Spatial mobility in elite academic institutions in economics. The case of Spain”, [with Raquel Carrasco], *SERIEs*, **10**: 141-172 (2019). A short versión appeared in *Nada es gratis* April 8, 2019

(<http://nadaesgratis.es/admin/la-movilidad-geografica-en-instituciones-academicas-de-elite-en-economia-el-caso-de-espana>).

ECONOMICS

I. Housing Economics

1. "Residential Land Use. The Continuous Case", *Economic Letters*, **8**: 7-12, (1981).
2. "Robust Methods of Building Regression Models. An Application to the Housing Sector", [with Daniel Peña], *Journal of Business and Economic Statistics*, **2**: 10-20, (1984).
3. "Distributional Aspects of Public Rental Housing and Rent Control Policies in Spain", [with Daniel Peña], *Journal of Urban Economics*, **15**: 350-370, (1984).
4. "On the Imputation of Rental Values to Owner-Occupied Housing", [with Raquel Arévalo], *Journal of the European Economic Association*, **4**: 830-862 (2006).

II. Household Decisions

5. "The influence of household composition on household expenditure patterns. Theory and Spanish evidence", [with Angus Deaton, and Duncan Thomas], *Journal of Political Economy*, **97**: 179-200, (1989).
6. "The Decisions by Spanish Youth", [with Maite Martínez-Granado], *Journal of Population Economics*, **15**: 305-330, (2002), reimpreso en K. Zimmermann y M. Volger (eds), *Family, Household and Work*, Berlin: Springer-Verlag, (2003).
7. "Inflation and Inequality Bias in the Presence of Bulk Purchases for Food and Drinks", [with Daniel Peña], *Journal of Business and Economic Statistics*, **16**: 292-303, (1998).
8. "Does the representation of household behavior matter for welfare análisis of tax reform? An introduction", [with O. Bargain, M. Beblo, D. Beninger, R. Blundell, R. Carrasco, M-C. Chiuri, F. Laisney, V. Lechene, N. Moreau, M. Myck, and F. Vermeulen], *Review of the Economics of the Household*, **4**: 99-111 (2006).

III. Income Inequality, Poverty, and Welfare

9. *La medición de la pobreza y la desigualdad en España, 1980-81*, Banco de España, Estudios Económicos, nº 42, 1 – 159, (1987).
10. "Income Distribution and Social Welfare: A Review Essay", *Investigaciones Económicas*, **XIX**: 3-34, (1995).

11. "Searching by Questionnaire for the Meaning of Income Inequality", [with Carlos Ballano], *Revista Española de Economía*, **10**: 233-259, (1993).

12. "A Simplified Model for Social Welfare Analysis. An Application to Spain, 1973-74 to 1980-81", *Review of Income and Wealth*, Series **44**: 123-141, (1998).

13. "Desigualdad y bienestar en España en términos reales: 1973-74, 1980-81 y 1990-91", [con Mercedes Sastre], *Dimensiones de la desigualdad. Tercer Simposio sobre Igualdad y Distribución de la Renta y la Riqueza. Volumen I*, Fundación Argentaria, Colección Igualdad, 345-366, (1999).

14. "Intermediate Inequality and Welfare", [with Coral del Río], *Social Choice and Welfare*, **17**: 223-239, (2000).

15. "Intermediate Inequality and Welfare. The Case of Spain in 1980-81 and 1990-91", [with Coral del Río], *Review of Income and Wealth*, series **47**: 221-238, (2001).

16. "Accounting for the Decline in Spanish Household Expenditures Inequality During the 1980s", [with Coral del Río], *Spanish Economics Review*, **3**: 151-175, (2001).

17. "The Influence of Demographics and Household Specific Price Indices on Expenditure Based Inequality and Welfare: A Comparison of Spain and the United States", [with Thesia Garner, and Mercedes Sastre], *Southern Economic Journal*, **70**: 22-48, (2003).

18. "TIPs for Poverty. The Case of Spain, 1980-81 to 1990-91", [with Coral del Río], *Investigaciones Económicas*, **16**: 63-92, (2001).

19. *An Evaluation of "El ingreso rural y la producción agropecuaria en México 1989-2002"*, published by the SLAP (Servicio de Información y estadística Agroalimentaria y Pesquera) of SAGARPA (Secretaría de Agricultura, Ganadería, Desarrollo Rural, Pesca y Alimentación), México, (2005).

20. "Absolute and Relative Poverty. The Case of México, 1992-2004", *El Trimestre Económico*, **LXXVI**: 67-100 (2009).

IV. Income Mobility, and Inequality of Opportunities

21. "The Measurement of Structural and Exchange Income Mobility", *The Journal of Economic Inequality*, **2**: 219-228 (2004).

22. "The Measurement of Inequality of Opportunities", en J. Bishop y Y. Amiel (eds.), *Research in Economic Inequality*, **9**: 1-34, (2003).

V. The Measurement of Segregation

23. "Additively Decomposable Segregation Indexes. The Case of Gender Segregation by

Occupations in Spain", [with Ricardo Mora], *The Journal of Economic Inequality*, **1**: 147-179, (2003).

24. "Gender Segregation By Occupations In the Public and the Private Sectors. The Case of Spain In 1977 and 1992", [with Ricardo Mora], *Investigaciones Económicas*, XXVIII: 399-428, (2004).

25. "An Algorithm to Reduce the Occupational Space in Gender Segregation Studies", [con Neus Herranz y Ricardo Mora], *Journal of Applied Econometrics*, **20**: 25-37, (2005).

26. "The invariance properties of the mutual information index of multigroup segregation", [with Ricardo Mora], in Y. Flückiger, S. Reardon y J. Silber (eds.), *Research on Economic Inequality, Vol. 17, Occupational and Residential Segregation*, Emerald Books, 33-53, (2009).

27. "Entropy-based Segregation Measures", [with Ricardo Mora], *Sociological Methodology*, **41**: 158-169 (2011).

28. "The joint effect of ethnicity and gender on occupational segregation. An approach based on the Mutual Information Index", [with Daniel Guinea, and Ricardo Mora], *Social Science Research*, **49**: 167-178 (2015).

29. "The evolution of gender segregation over the life course", [with Daniel Guinea-Martín, and Ricardo Mora], *American Sociologic Review*, **83**: 983-1019 (2018).

VI. Prices

30. *La medición de la inflación en España*, [with Eduardo Ley, and Mario Izquierdo], "la Caixa", Barcelona, 11 – 351, (1999).

31. "Distributive Aspects of the Quality Change Bias in the CPI. Evidence from Spain", [with Eduardo Ley, and Mario Izquierdo], *Economics Letters*, **76**:1,137-144, (2002).

32. "The Laspeyres Bias in the Spanish Consumer Price Index", [with Eduardo Ley, and Mario Izquierdo], *Applied Economics*, **34**: 2267-76, (2002).

33. "The Plutocratic Gap in the CPI: Evidence from Spain", [with Eduardo Ley, and Mario Izquierdo], *IMF Staff Papers*, **50**: 136-155, (2003).

VII. Public Economics

34. "Potential Welfare and the Sum of Individual Compensating or Equivalent Variations", *Journal of Economic Theory*, **41**: 34-53, (1987).

35. "A Social Welfare Model for the Evaluation of the Spanish Income Tax System, [with Carmen Vargas], in S. Zandvakili y D. Slotje (eds.), *Research on Economic Inequality*, Volume 7, JAI Press Inc, 259-290, (1997).

36. *Una alternativa fiscal para España*, [with A. Castells, M. Cruz, S. Díaz de Sarralde, A. Gago, J.A. Garde, J. A. Gimeno, J. A. Herce, R. Iturriaga, Z. Jiménez-Ridruejo, J. López, J. Loscos, B. Medel, J. Romero, J. Ruiz-Huerta, J. Segura, J. Zornoza, experts team for Comisión Ejecutiva del Partido Socialista Obrero Español], Fundación Alternativas, Exlibris Ediciones, Madrid, (2002).

37. “To What Extent Do Fiscal Regimes Equalize Opportunities for Income Acquisition Among Citizens?” [with J. Roemer, R. Aaberge, U. Colombino, J. Fritzell, S. Jenkins, I. Marx, M. Page, E. Pommer, M.J. San Segundo, T. Tranaes, G. Wagner, and I. Zubiri], *Journal of Public Economics*, **87**: 539-565, (2003).

38. "En defensa de un impuesto progresivo sobre el consumo", en J. Perez, C. Sebastián y P. Tedde (eds.), *Estudios en homenaje a Luis Ángel Rojo*. Volumen I, *Políticas, mercados e instituciones económicas*, 163-198 (2004).

BIOLOGICAL ANTHROPOLOGY

1. Ruiz-Castillo, J. (2025), “A review of Herman Pontzer’s contribution to the science of metabolism”, Working Paper. Economics (<https://hdl.handle.net/10016/48300>).

2. Ferreira, J. L., and Ruiz-Castillo, J. (2025), “A non-cooperative repeated game for hunter-gatherers”, mimeo.

ACADEMIC EXPERIENCE

- Visiting Professor, University of Iowa, Iowa City, Iowa, U.S.A., 1975-76.

- Visiting Professor, State University of New York, Stony Brook, New York, U.S.A., 1976-77.

- Visiting Professor, Purdue University, West Lafayette, Indiana, U.S.A., 1977-78.

- Assistant Professor, Departamento de Teoría Económica, Facultad de Ciencias Económicas, Universidad Complutense, Madrid, 1978-79 until 1982-83.

- Profesor Agregado de Teoría Económica, junio 1983, Facultad de Ciencias Empresariales, Universidad de Zaragoza.

- Visiting Professor, Princeton University, Princeton, New Jersey, U.S.A., 1983-84, Fulbright/MEC Fellowship.

- Visiting Professor, Instituto de Análisis Económico del CSIC, Universidad Autónoma de Barcelona, Octubre 1985 a Febrero 1986.

- Professor, Universidad Complutense de Madrid, de Febrero a Abril de 1986, y de julio de 1989 a septiembre de 1990.

- *Gumersindo de Azcárate* Professor, Universidad Carlos III de Madrid, financed by Ministerio de Asuntos Sociales, 1991-1996

- Ph.D. Program Director, Departamento de Economía de la Universidad Carlos III, 1990-1996.

- Visiting Professor, Boston University, Boston, Massachusetts, U.S.A., January-May 1996.

- Director del Departamento de Economía de la Universidad Carlos III, January 1997-October 1998.

- Visiting Professor, IMF Institute, July 2002.

- Visiting Professor, ITAM, México D.F., January-July 2005.

OTHER PROFESSIONAL EXPERIENCE

- Director General, Instituto Nacional de Estadística, April 1986-July 1989.

- ASA/NSF/BLS Fellow, Bureau of Labor Statistics, U.S. Government, June-September 1996.

- Consultant, *Instituto Nacional de Estadística e Informática* de Perú, financiado por el Banco Inter-Americano, julio de 2001.

- Consultant, Programa Cooperativo FAO-Banco Mundial, en México D.F., junio a septiembre 2005.

RESEARCH PROJECTS

A. Spanish

1. "Ensayos en Economía Aplicada y Economía Experimental" (DGICYT PB-89 103), 1990 -93.

2. "Ensayos en Economía Pública I", (DGICYT PB-93 0230), 1993-96.

3. "Desigualdad, Impuesto sobre la Renta y los mayores de edad", Fundación Caja de Madrid, 1992-96.

4. "Consideraciones dinámicas en Economía del Bienestar", Fundación Argentaria, 1996-97.
5. "Hogares monoparentales", Instituto de la Mujer, 1998-99.
6. "Ensayos en Economía Pública II", (DGICYT PB96-0118), 1997-2000.
7. "Segregación ocupacional y discriminación salarial de la mujer en España", Instituto de la Mujer, 1998-2000.
8. "Ensayos en Economía Pública III", (DGI BEC2000-0173), 2000-03.
9. "Ensayos en Economía Pública IV", (DGI, MEC: SEJ2004-01959), 2004-07.
10. "Tendencias recientes de los gastos en sanidad de los hogares españoles", Consejería de Sanidad de la Comunidad de Madrid, 2002-03.
11. "El gasto de los hogares en medicina y productos farmacéuticos en la Comunidad de Madrid", Consejería de Sanidad de la Comunidad de Madrid, 2003.
12. "Sector público y regulación en una economía de mercado", SEJ2007-67436, 2007-2012.
13. "La comparación de la excelencia científica entre distintas disciplinas y la medición de la brecha entre Estados Unidos y Europa," Banco de Santander, 2008-2009, 2009-2011.

B. European

1. "Distribution and Redistribution of Income", (EU, DG XII), 1994-96.
2. "Living Standards, Inequality and Taxation" (EU, DG XII), 1998-2002.
3. "Welfare Analysis of Fiscal and Social Security Reforms in Europe Using a Collective Choice Model of Household Behavior" (EU, DG XII, 2001-02).
4. "Demand Patterns and Employment Growth: Consumption and Services in France, Germany, Ireland, The Netherlands, Spain, The United Kingdom and the United States", (EU, Socio-economic Key Action, 2001-04, y Ayuda especial del Ministerio de Ciencia y Tecnología, SEC-2001-1-4491-E).
5. "Science, Innovation, Firms and Markets in a Globalized World" (SCIFI-GLOW), Grant agreement no: 217436, 2008-2011, (2008-2011).

1. Coral del Río, "*Desigualdad y pobreza en España de 1980-81 a 1990-91*", Universidad Carlos III, 1996.
2. Carmen Vargas, "*Efectos redistributivos, inequidad horizontal y movilidad producidos por el IRPF: 1986-1990*", Universidad Carlos III, 1997.
3. Mercedes Sastre, "*Ingresos y Gastos en las Encuestas de Presupuestos Familiares. Ensayos sobre desigualdad y bienestar*", Universidad Complutense de Madrid, 1999.
4. Bernarda Zamora, "*Participación laboral de la mujer y bienes públicos en el marco de los modelos colectivos del hogar*", Universidad Carlos III, 2000.
5. Raquel Arévalo, "*El mercado de la vivienda en España*", Universidad Complutense of Madrid, 2001.

OTHER PROFESSIONAL ACTIVITIES

- Editorial Board, *Journal of Informetrics*, 2015-2017
- Anonymous referee for the following journals:

Bulletin of Economic Research, Canadian Journal of Economics, Economía Aplicada, Economica, El Trimestre Económico, Empirical Economics, Estudios Económicos, Hacienda Pública Española, Investigaciones Económicas, Instituto Valenciano de Investigación Económica, Investigaciones Regionales, Journal of the American Society for Information Science and Technology, Journal of Development Economics, Journal of Economic Inequality, Journal of the European Economic Association, Journal of Informetrics, Journal of Political Economy, Journal of Public Economics, Labour, Macroeconomic Dynamics, Mathematical Social Sciences, Moneda y Crédito, Research in Economic Inequality, Research Evaluation, Review of Income and Wealth, Spanish Economic Review, Scientometrics, Social Choice and Welfare.