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ACADEMIC QUALIFICATIONS

Ph.D. in Economics, The London School of Economics, University of London, UK (1998)
MSc. in Monetary Economics, Centro de Estudios Monetarios y Financieros (CEMFI), Spain (1993)
Licenciado en Ciencias Económicas, Universidad Complutense de Madrid, Spain. (1991)

ACADEMIC APPOINTMENTS

Since Jan 2008	Associate Professor at Universidad Carlos III de Madrid
Oct 1997/Dec 2007	Assistant Professor at Universidad Carlos III de Madrid
Jan 1997/Sep 1997	Assistant Professor at Universitat Pompeu Fabra, Barcelona.

FIELDS OF INTERESTS

Applied Econometrics and Segregation.

PUBLICATIONS

h index: 11 ([Google Scholar](#))

Main Publications

- “The evolution of gender segregation over the life course” (with Daniel Guinea-Martin and Javier Ruiz-Castillo). Forthcoming: *American Sociological Review* ([Link to UC3M WP](#)) 2016 JCR Impact Factor: 4.4 (Q1 Sociology)
- “Dual employment protection and (lack of) on-the-job training: PIAAC Evidence for Spain and other European countries” (with A. Cabrales y J.J. Dolado), 2017, , *SERIEs*, 8, 345-371 [Online Open Access Publication](#), *SERIEs*. 2016 JCR Impact Factor: 0.424 (Q4).
- "Alternative Diff-in-Diffs Estimators with Several Pre-treatment Periods" (with I. Reggio). *Econometric Reviews*, [Online](#): 30 Jun 2017 ([Link to UC3M WP](#)) 2016 JCR Impact Factor: 1.333 (Q2)
<http://dx.doi.org/10.1080/07474938.2017.1348683>.
- "Re-assessing the impact of the grandparent's income on the infant mortality rate : an evaluation of the Old Age Allowance program in Nepal" (with Y. Li). *World Development* [2016, 87:333–348](#). ([Link to UC3M WP](#)) JCR Impact Factor: 2.844 (Q1)
- “didq: A command for treatment effect estimation under alternative assumptions” (with I. Reggio). *The Stata Journal*, 15:3, pp. 796-808, 2015. ([Link to UC3M WP](#)) JCR Impact Factor: 1.292 (Q2 Social Sciences and Mathematical Methods)

- “The joint effect of ethnicity and gender on occupational segregation. An approach based on the Mutual Information Index” (with Guinea-Martin and Ruiz-Castillo), *Social Science Research*, 49, 167:178, 2015. ([WP 11-40](#)) JCR Impact Factor: 1.770 (Q1 Sociology)
- “Can We Infer Hospital Quality from Medical Graduates' Residency Choices?” (with Machado and Romero-Medina), *Journal of the European Economic Association*, 10-6. 2012. (doi: [10.1111/j.1542-4774.2012.01087.x](#)) JCR Impact Factor: 2.049 (Q1)
- "Entropy-Based Segregation Indices" (with Ruiz-Castillo), *Sociological Methodology* 41. 2011. ([post-print](#)) (doi: [10.1111/j.1467-9531.2011.01237.x](#)) JCR Impact Factor: 3.000 (Q1 Sociology)
- "Productivity and International Competitiveness in the European Union and the United States" (with Ball, Butault and San-Juan), *Agricultural Economics*. 2010. ([post-print](#)) (doi: [10.1111/j.1574-0862.2010.00476.x](#))
- "The Invariance Properties of the Mutual Information Index of Multigroup Segregation" (with Ruiz-Castillo), *Research on Economic Inequality* 17, 33-53. 2009. (doi: [10.1108/S1049-2585\(2009\)0000017005](#))
- "A Nonparametric Decomposition of the Mexican American Wage Gap". *Journal of Applied Econometrics*. 23(4):463-485 (2008). (doi: [10.1002/jae.1006](#))
- "Una valoración de la enseñanza superior a partir de los salarios esperados y los salarios sombra de los estudiantes universitarios" (with Alonso-Borrego and Romero-Medina), *Cuadernos Económicos de ICE*, 74: 11-38. (2007). ([post-print](#))
- "An Algorithm to Reduce the Occupational Space in Gender Segregation Studies" (with Herranz and Ruiz-Castillo). *Journal of Applied Econometrics*. 20: 25-37 (2005). (doi:[10.1002/jae.829](#))
- "External Factors in Emerging Market Recoveries: An Empirical Investigation" (with Siotis). *European Economic Review*. 49: 683-702 (2005). (doi: [10.1016/S0014-2921\(03\)00065-5](#))
- "Geographical Specialization in Spanish Agriculture Before and After Integration in the European Union" (with San-Juan). *Regional Science and Urban Economics* 34(3): 309-320. 2004. (doi:[10.1016/S0166-0462\(03\)00042-5](#))
- "Gender Segregation by Occupations in the Public and the Private Sector. The Case of Spain" (with Ruiz-Castillo). *Investigaciones Económicas* 28(3): 399-428 (2004). ([publisher version](#))
- "Additively decomposable segregation indexes. The case of gender segregation by occupations and human capital levels in Spain" (with Ruiz-Castillo). *Journal of Economic Inequality* 1: 147-179. 2003. (doi: [10.1023/A:1026198429377](#))

Other Publications

- “Segregation: Empirical findings” (with J. Silber) in D’Ambrosio, C. (editor) *Handbook of Research on Economic and Social Well-being*, Edward Elgar Publishing. 2018.
- “Dualidad laboral y déficit de formación ocupacional: Evidencia sobre España con datos de PIAAC” (with A. Cabrales y J.J. Dolado) in *Programa internacional para la evaluación de las competencias de la población adulta*, Volumen II, Ministerio de Educación. 2013.

- "Agricultural Competitiveness" (with Ball, Butault, and San-Juan), in Ball, Fanfani, Gutierrez (Eds.) in *The Economic Impact of Public Support to Agriculture*, Studies in Productivity and Efficiency, Vol. 7. 2010.
- "Studies investigating economic, agricultural-economic and demographic factors influencing land use dynamics" (with San-Juan) in Romero, Belmonte, Alonso, López (coord.). in *Advances in studies on desertification*. Murcia : Universidad de Murcia, EDITUM, 2009. p. 129-132. ([e-file](#))
- "Farmers income distribution and subsidies: product discrimination in direct payment policies for continental and mediterranean agriculture" (with San-Juan), in Poppe and Krijgsman (eds.), *Income issues in Farm Households and the role of the FADN*. LEI. The Hague. 2004.
- "Product Concentration and Farm Specialization in Spain After Implementation of the Common Agricultural Policy and its Reform" (with San-Juan), in Poppe and Krijgsman (eds.), *New Roads for Farm Accounting and FADN*. LEI. The Hague. 2004.
- "The representativeness of the Spanish RICA Survey" (with San-Juan and de la Torre) in Poppe, Povellato, and Krijgsman (eds.), *European Farmers and the Growing of Data*. LEI. The Hague. 2003.
- "Efectos en la Oferta de las Regulaciones de Mercados Un analisis por CCAA de la concentracion y segregacion productiva " (with San-Juan), in Lamo de Espinosa (ed) *Visión del futuro de la agricultura española*. MAPYA. 2002.
- "Comportamiento Estratégico en las Admisiones Universitarias El Caso Español" (with Romero-Medina) in *Jóvenes Economistas en Andalucía*. Facultad de CC.EE de la Universidad de Málaga. 2000.

RESEARCH IN PROGRESS

Selected Working Papers

- The onset of female labor market participation and the role of intergenerational human capital transmission (with M. Machado and J. Carro). ([Link to UC3M WP](#) [CEPR WP](#))
- Segregated Integration: Recent Trends in the Austrian Gender Division of Labor" (with M. Kreimer). WP 13-17. UC3M, Spain. ([Link to database](#)) "Treatment Effect Identification Using Alternative Parallel Assumptions" (with I. Reggio). WP 12-33. UC3M, Spain. ([Link to database](#))
- "A Kullback-Leibler Measure of Conditional Segregation" (with J. Ruiz-Castillo). WP 10-15. UC3M. Spain. ([Link to database](#))

Other Projects

- "Determinants of Teenage Fertility: the role of Mothers" (with K. Olivo)
- "Computing decomposable Indexes of Segregation in Stata"

SEMINARS AND CONFERENCES

- Spanish Stata Users Group meeting, Madrid, Spain. 2017. "Complementarity analysis in multinomial models: The gentszkow command"
- Spanish Stata Users Group meeting, Madrid, Spain. 2015. "aries: an implementation of CART in Stata"

- First Annual Conference of the International Association for Applied Econometrics, London, UK, 2014. "Treatment Effect Identification Using Alternative Parallel Assumptions" (with I. Reggio)
- Spanish Stata Users Group meeting, Madrid, Spain. 2013. "Implementing the mutual information index in Stata"
- Research seminar, Institut für Volkswirtschaftslehre, University of Graz. July 2013. "Treatment Effect Identification Using Alternative Parallel Assumptions" (with I. Reggio)
- Research seminars and Conferences in Economics and Econometrics, Dept of Economics, University of Geneva. September 2012. "A Simple Regression Model for the Policy Effect Identification Using Alternative Diff-in-Diff Assumptions" (with Reggio)
- Econometrics Seminar, Dept Fundamentos de Análisis Económico, Universidad de Alicante. May 2012. "The onset social science research of female labor market participation and the role of the mothers" (with Machado and Carro)
- XXXV Simposio de la Asociación Española de Economía (SAEe), Madrid 2010. "The Onset of Female Labor Market Participation and the Role of Intergenerational Human Capital Transmission" (with Machado and Carro)
- PET10 Annual Conference of the Association of Public Economic Theorists, Istanbul, Turkey, 2010, "The statistical properties of the mutual information index of multi-group segregation" (with Ruiz-Castillo)
- XXXIV Simposio de la Asociación Española de Economía (SAEe), Valencia 2009. "The statistical properties of the mutual information index of multi-group segregation" (with Ruiz-Castillo)
- New frontiers in the field of segregation measurement and analysis, Suiza, 2007, "The statistical properties of the mutual information index of multi-group segregation" (with Ruiz-Castillo)
- XXI Jornadas de Economía Industrial, Bilbao, 2005, "Can we measure hospital quality from physicians' choices?" (with Machado and Romero-Medina)
- 42nd Annual Meeting of the Western Regional Science Association Tucson, USA, 2003, "A Farm-Level Study on the Effects of Transport Infrastructure Improvements on Agricultural Output" (with Holl)
- 4th IRSA International Conference, Bali, Indonesia, 2002. "A Farm-Level Study on the Effects of Transport Infrastructure Improvements on Agricultural Output" (with Holl)
- IV Encuentro de Economía Aplicada, Spain, 2001. "Geographical Specialization in Spanish Agriculture Before and After Integration in the EU" (with San-Juan)
- World Congress of the Econometrics Society, Seattle, USA, 2000. "External Factors in Emerging Market Recoveries An Empirical Investigation" (with Siotis).
- Latin-American Congress of the Econometrics Society, Cancún, Mexico, 1999. "A Nonparametric Decomposition of the Mexican American Average Wage Gap".
- German Labor Market Conference, Berlin, 1999, Discussant.
- XII Simposio de Moneda y Crédito, Madrid, Spain, 1999, "Retos de la Unión Económica y Monetaria un gigante con pies de barro" (with Siotis).

RESEARCH GRANTS, SCHOLARSHIPS AND INTERNSHIPS

Research Grants

- 2016-2018: "Individual decisions and economic and social development: Empirical applications to family economics, labour economics, and industrial organization". Spanish Ministry of Science and Innovation. Project head: Raquel Carrasco
- 2013-2015: "Individual decisions and economic and social development: Empirical applications to family economics, labour economics, and industrial organization". Spanish Ministry of Science and Innovation. Project head: Raquel Carrasco.

- 2010-2012: “Individual decisions and economic and social development: Empirical applications to family economics, labour economics, and industrial organization”. Spanish Ministry of Science and Innovation. Project head: Raquel Carrasco.
- 2006-2009 “Dynamic models, regimes and institutions. Applications to managerial behaviour, labour economics and growth theory.” Spanish Ministry of Education. Project head: César Alonso.
- 2007-2009 “The onset of female labor market participation and the role of intergenerational human capital transmission,” Funding Institution: Fundación Ramón Areces. Project head: Ricardo Mora.
- 2005-2006 “Determinantes de la Elección de carreras universitarias en el Comunidad de Madrid”, Funding Institution: Comunidad de Madrid. Project head: Ricardo Mora.
- 2004-2006, “Medición de la calidad relativa de hospitales mediante las elecciones de las plazas de médicos internos residentes (MIR).” Funding Institution: Fundación Ramón Areces. Project head: Matilde P. Machado.
- 2001-2003, "Modelos dinámicos, regímenes e instituciones. Aplicaciones al mercado de trabajo y organización industrial", Funding Institution: Spanish Ministry of Education. Project head: César Alonso.
- 2000-2004, "Efectos de la liberalización del comercio mundial y de los cambios en la Política Agraria Común", Funding Institution: Spanish Ministry of Agriculture. Project head: Carlos San-Juan.
- 2000-2003, "Comportamiento estratégico en la preinscripción universitaria en la Comunidad de Madrid", Funding Institution: Comunidad de Madrid. Project Head: Ricardo Mora.
- 1997-1999, “Discriminación salarial y segmentación ocupacional de la mujer en España”, Funding Institution: Spanish Ministry of Labor. Project head: Ricardo Mora.

OTHER PROFESSIONAL ACTIVITIES

Supervised Thesis: *Nieves Valdés (2009), Yunrong Li (2014)*

Anonymous Refereeing:

The Review of Economic Studies, International Economic Review, Journal of Applied Econometrics, Labour Economics, Journal of Economic Inequality, Journal of Economic Geography, Sociological Methodology, PLOS ONE, American Journal of Education, Review of Income and Wealth, Review of International Economics, Research on Economic Inequality, Stata Journal, International Game Theory Review, Social Science Research, Eastern Economic Journal, Contemporary Economic Policy, SERIES, Investigaciones Económicas, Spanish Economic Review.

Scholarships & Internships

- 1993-1996, Postgraduate Studies at London School of Economics. Funding: Bank of Spain
- Sep 1991/Jul 1993, Postgraduate Studies on Monetary Economics at Centro de Estudios Monetarios y Financieros (CEMFI, Madrid). Funding: CEMFI
- Jul 1992/Aug 1992 Internship at Servicio de Estudios. Bank of Spain, Madrid.

Departmental Services

- *Assistant Director* for Undergraduate Teaching. (2009-2011 and 2014-2017)
- *Informatics Officer* (1999-2001).
- *International Student Program Coordinator* (1997-1999).

Organizations of Meetings and seminars

- Co-Organizer of the Econometrics and Applied Economics Workshop (2006-2009).
- Spanish Stata Users Group meeting, Madrid, Spain. 2015, 2017