

Francisco Javier Rodríguez Román

Via Sant'Ignazio da Laconi, 17 (ufficio 31)
09123, Cagliari, Italy
(+39) 333 3560359

fjavier.rodriguezroman@gmail.com
frarodri.github.io

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Employment **University of Cagliari** June 2021-present
Post-doctoral Researcher, Department of Economics and Business
University of Edinburgh October 2020-June 2021
Stipendiary Fellow, School of Economics

Education **Universidad Carlos III de Madrid** June 2021
Ph.D in Economics
Universidad Carlos III de Madrid September 2016
Master in Economic Analysis
Barcelona Graduate School of Economics July 2013
Master in Economics and Finance
Universidad de Costa Rica August 2012
B.A. in Economics

References

Alessio Moro **Matthias Kredler** (Ph.D advisor)
Department of Economics and Business, Department of Economics,
University of Cagliari, Universidad Carlos III de Madrid,
(+39) 070/675-3313 (+34) 916249312
amoro@unica.it matthias.kredler@uc3m.es

Andrés Erosa **Luisa Fuster**
Department of Economics, Department of Economics,
Universidad Carlos III de Madrid, Universidad Carlos III de Madrid,
(+34) 916249600 (+34) 916249331
aerosa@eco.uc3m.es lfuster@eco.uc3m.es

Fields Macroeconomics, Family Economics, Demographic Economics, Labor Economics.

Working papers **The Sex Ratio, Marriage, and Bargaining: a Look at China** (submitted)
In this paper I develop a model of marriage, bargaining and time allocation to assess the quantitative importance of changes in the sex ratios on paid work, housework, leisure and assortative mating. I then calibrate the model with Chinese data, as the country has been experiencing a surge in boy births relative to girls' since the 1980s. I find that changes in the sex ratio explain around half of the changes in married women paid work and leisure time between 1990 and 2010. Moreover, I find that the effect of the sex ratio operated mainly through bargaining within the household, and very marginally via marital sorting. Moreover, low and medium skilled women are the ones that have seen the largest improvement in their bargaining position.

Quantifying the Impact of Childcare Subsidies on Social Security (joint with Lidia Cruces)
Female labour force participation and fertility levels directly impact social security, especially when it relies on a pay-as-you-go scheme. In this paper, we quantify the impact of childcare subsidisation policies on a PAYG social security system. We build an overlapping generations model in which women decide how many children to have,

the allocation of childcare time among different alternatives and their labour force participation along their life cycle. We calibrate the model to Spanish data and use it to experiment with different childcare subsidisation policies. We find that childcare subsidies increase mother's labour force participation and fertility minimally. Therefore, they have a negative effect on the present value of social security budget balance.

Work in progress	Child subsidies, female labour force participation and fertility: from short to long-run (with Lidia Cruces) A Theory of Structural Change, Home Production and Leisure (with Fenicia Cossu, Alessio Moro and Silvio Tunis)	
Presentations	2022: IX Workshop on Structural Transformation and Macroeconomic Dynamics (Cagliari, Italy) 2021: Macroeconomics Working Group at the European University Institute (online), 34th Annual Conference of the European Society for Population Economics (online), 2nd Brazilian Meeting in Family and Gender Economics (online), CRENoS Workshop (Asinara, Italy), 46th Symposium of the Spanish Economic Association (Barcelona, Spain). 2020: Virtual Macro-Development-Trade-Environment Reading Group Workshop at Iowa State University (online). 2019: XXIV Workshop on Dynamic Macroeconomics (Vigo, Spain), Macro Seminar at the University of Mannheim, 44th Symposium of the Spanish Economic Association (Alicante, Spain).	
Scholarships and awards	SAEe PhD grant FPI Doctoral Scholarship (Spanish Ministry of Science) UC3M Economics Department scholarship Honor Roll Universidad de Costa Rica (Licenciatura) Bolsa Inci (IMPA, Brazil) Beca 10 Universidad de Costa Rica	2019 2016-2020 2014-2016 2012 2012 2007
Teaching experience	As Course Organizer at The University of Edinburgh International Economics Fall 2020 As TA at Universidad Carlos III de Madrid Industrial Organization I: Theory and Regulation (graduate) Instructor: Matilde Machado Fall 2018 Quantitative Microeconomics (undergraduate) Instructors: Iliana Reggio and Ricardo Mora Fall 2017 and 2018 Principles of Economics (undergraduate) Instructors: Antonio Romero, Nicolas Motz and Asier Mariscal Spring 2017, Fall 2016 and 2018 Dynamic Macroeconomics (undergraduate) Instructor: Luisa Fuster Spring 2016, 2017 and 2018 International Trade (undergraduate) Instructor: Miguel Marinas Fall 2017	
Software and programming	Stata, Matlab, SPSS, Eviews, Python.	
Other	Refereeing: Journal of Population Economics, Economía (Journal of LACEA) Languages: Spanish (native), English (fluent), Italian (basic). Citizenship: Costa Rican.	