

# Francisco Javier Rodríguez Román

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Last updated: April 7, 2021

**Employment**      **University of Edinburgh**      October 2020-July 2021  
*Stipendiary Fellow, School of Economics*

**Education**      **Universidad Carlos III de Madrid**      May 2021 (expected)  
*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

<b>Matthias Kredler</b> (Main advisor) Department of Economics, Universidad Carlos III de Madrid, (+34) 916249312 <a href="mailto:matthias.kredler@uc3m.es">matthias.kredler@uc3m.es</a>	<b>Luisa Fuster</b> Department of Economics, Universidad Carlos III de Madrid, (+34) 916249331 <a href="mailto:lfuster@eco.uc3m.es">lfuster@eco.uc3m.es</a>
<b>Andrés Erosa</b> Department of Economics, Universidad Carlos III de Madrid, (+34) 916249600 <a href="mailto:aerosa@eco.uc3m.es">aerosa@eco.uc3m.es</a>	

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

**Working papers**      **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.

### **The Sex Ratio, Marriage, and Bargaining: a Look at China**

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.

<b>Presentations</b>	<b>2019:</b> XXIV Workshop on Dynamic Macroeconomics (Vigo, Spain), Macro Seminar at the University of Mannheim, 44th Symposium of the Spanish Economic Association (SAEe) (Alicante, Spain).	
	<b>2020:</b> Virtual Macro-Development-Trade-Environment Reading Group Workshop at Iowa State University (online).	
	<b>2021:</b> Macroeconomics Working Group at the European University Institute (online), 34th Annual Conference of the European Society for Population Economics (upcoming).	
<b>Scholarships and awards</b>	SAEe PhD grant	2019
	FPI Doctoral Scholarship (Spanish Ministry of Science)	2016-2020
	UC3M Economics Department scholarship	2014-2016
	Honor Roll Universidad de Costa Rica (Licenciatura)	2012
	Bolsa Inci (IMPA, Brazil)	2012
	Beca 10 Universidad de Costa Rica	2007
<b>Teaching experience</b>	<b>As Course Organizer at The University of Edinburgh</b>	
	International Economics	Fall 2020
	<b>As TA at Universidad Carlos III de Madrid</b>	
	Industrial Organization I: Theory and Regulation (graduate)	Fall 2018
	Instructor: Matilde Machado	
	Quantitative Microeconomics (undergraduate)	Fall 2017 and 2018
	Instructors: Iliana Reggio and Ricardo Mora	
	Principles of Economics (undergraduate)	Spring 2017, Fall 2016 and 2018
	Instructors: Antonio Romero, Nicolas Motz and Asier Mariscal	
	Dynamic Macroeconomics (undergraduate)	Spring 2016, 2017 and 2018
	Instructor: Luisa Fuster	
	International Trade (undergraduate)	Fall 2017
	Instructor: Miguel Marinas	
<b>Software and programming</b>	Stata, Matlab, SPSS, Eviews, Python.	
<b>Other</b>	Refereeing: Journal of Population Economics, Economía (Journal of LACEA)	
	Languages: Spanish (native), English (fluent), Catalan (fluent).	
	Citizenship: Costa Rican.	