

# Darío Serrano-Puente

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 (+34) 626 91 22 97  [darioserranopuente@gmail.com](mailto:darioserranopuente@gmail.com)  [dario.serrano@ub.edu](mailto:dario.serrano@ub.edu)  
 John M. Keynes No. 1-11, 08034 Barcelona, Spain  Birth : Nov 1994, Fuentepelayo (Segovia), Spain



## PhD Candidate in Economics @ Universitat de Barcelona & IEB



### Research Interests


**Economic fields :** Public Finance, Taxation, Public Policy Evaluation, Inequality, Macroeconomics  
**Technical fields :** Micro-Simulation, Micro-Data, Computational Economics, [QuantEcon](#), Machine Learning




### Affiliations

Sep 2021 - Present *PhD Candidate*,  **Universitat de Barcelona School of Economics**,  Barcelona (Spain)  
Sep 2021 - Present *Pre-Doctoral Research Fellow*,  **Institut d'Economia de Barcelona (IEB)**,  Barcelona (Spain)

### Education






Sep 2021 - Jun 2024 (expected) **PhD in Economics, Universitat de Barcelona (UB)**,  Barcelona (Spain)  
 **Universitat de Barcelona School of Economics and Institut d'Economia de Barcelona (IEB)**  
 *PhD Thesis* : “Essays on Public Finance”  [Manuscript]  [Presentation]  
 *Advisors* : Prof. Dirk Foremny (UB, IEB), Prof. Miguel Almunia (CUNEF)

Sep 2017 - Jan 2020 **Master of Science in Economics, Universität Mannheim (UniMA)**,  Mannheim (Germany)  
 **Department of Economics**  
 *Recognition in* : Master's Thesis  
 *MSc Thesis* : “Optimal Progressivity of Personal Income Tax : A General Equilibrium Evaluation for Spain”  [Manuscript]  
 *Advisor* : Prof. Krzysztof Pytka


Sep 2012 - Jul 2016 **Bachelor in Economics, Universidad Autónoma de Madrid (UAM)**,  Madrid (Spain)  
 **Faculty of Economics**  
 *Excellence track* : [Cooperación Educativa](#) (Dual education program with 8-months full-time work)  
 *Stay abroad* : Visiting (Erasmus+) student at [Universität Mannheim](#) (Jan 2016 - Jul 2016)  
 *High Honors in* : Macroeconomics, Statistical Learning, Spanish Economic History, World Economic History, Sociology, Public Economics, Economic Structure and International Economic Relations  
 *BA Thesis* : “Sociopolitical Environment and Current Economic Situation : Determinants of Ideology in Europe, 2002 - 2014”  [Manuscript]  
 *Advisor* : Prof. Rocío Sánchez-Mangas

### Publications

#### Peer-Refereed Publications

- > “Are We Moving Toward An Energy-Efficient Low-Carbon Economy? An Input-Output LMDI Decomposition of CO2 Emissions for Spain and the EU28”. *SERIEs - Journal of the Spanish Economic Association*, vol. 12(2), special issue on “The Economics of the Energy Transition” (2021),  doi : 10.1007/s13209-020-00227-z.  
 [Google Scholar](#)  [Bank of Spain - Working Paper n. 2104 \(2021\)](#)  [Manuscript]  [Summary-Thread](#)  

- > “Optimal Progressivity of Personal Income Tax : A General Equilibrium Evaluation for Spain”. *SERIEs - Journal of the Spanish Economic Association*, vol. 11(4) (2020),  doi : 10.1007/s13209-020-00226-0.  
 [Google Scholar](#)  [Bank of Spain - Working Paper n. 2101 \(2021\)](#)  [Manuscript]  [Summary-Thread](#)  
 *Distinction* : [Research Feature Bank of Spain 2021]  
 [El Confidencial](#)  [La Vanguardia](#)  [El Periódico de Canarias](#)  [La Información](#)

#### Policy-Oriented Published Work

- > “Recent Changes in CO2 Emissions in Spain” (with Llanos Matea and Aitor Lacuesta). *Bank of Spain - Economic Bulletin*, n. 2/2021, Box n. 6 (2021).  
 [Google Scholar](#)  [Spanish version](#)  [Summary-Thread](#)

> “Effects of E-Commerce on Prices and Business Competition” (with Aitor Lacuesta and Pau Roldán). *Bank of Spain - Economic Bulletin*, n. 4/2020, Analytical Article n. 38 (2020).

 [Google Scholar](#)  [Spanish version](#)  [Summary-Thread](#)

 [El País](#)  [La Vanguardia](#)  [Cadena Ser](#)  [El Correo](#)  [Europa Press](#)

## Academic Employment

May 2022  
Present



**Universitat de Barcelona**,  Barcelona (Spain)

*Pre-Doctoral PhD Researcher* | Department of Economics

 *Description* : Research for my doctoral thesis, teaching, visiting research stays abroad.


 *Full-time*. This is a 3-year contract that emerges from a PhD fellowship grant, which is funded by the Generalitat de Catalunya, through its [Agency for Management of University and Research Grants \(AGAUR\)](#). This scholarship is formalized through a 3-year temporary contract that provides me with funding for my doctoral studies and for research stays / visiting at universities abroad. This contract also allows me to hold different lectures, courses and subjects (teaching duties) for BA or MSc Economics degrees.


September 2021  
April 2022



**AIReF (Autoridad Independiente de Responsabilidad Fiscal)**,  Madrid (Spain)

*PhD Researcher - Trainee* | Public Policy Evaluation Division

 *Description* : Quantitative modeling and research work on minimum income systems, public pension design, fiscal policy issues, and efficiency of public spending.


 *Full-time*. Collaboration agreement between [Universitat de Barcelona - UB School of Economics](#) and [AIReF](#) which allows selected PhD student to complete one year of the PhD program working as a Researcher (through a research grant) at [AIReF](#).


March 2021  
August 2021



**CUNEF (Colegio Universitario de Estudios Financieros)**,  Madrid (Spain)

*Research Economist* | Department of Economics

 *Description* : Quantitative modeling and research work on fiscal policy issues, especially taxation at the top and firm's tax compliance effects.


 *Full-time*.

September 2019  
March 2021



**Banco de España**,  Madrid (Spain)

*Research Economist - Assistant* | Structural Analysis Division | DG Economics, Statistics and Research

 *Description* : Quantitative modeling and research work on fiscal policy issues, taxation and redistribution, income and wealth inequality, energy efficiency and climate change, firm dynamics, market power, policy evaluation through micro-simulation tools, minimum wage, negative income tax, universal basic income.


 *Full-time*.


January 2019  
July 2019



**NERA Economic Consulting**,  Madrid (Spain)

*Research Associate* | Energy Division

 *Description* : Energy market research, competitor analysis, economic research support for litigation cases and arbitrations related to price reviews in long-term gas supply contracts, due diligence evaluations in support of acquisitions of regulated network assets, gas market design.

 *Part-time (50%)*.

## Conferences, Seminars & Workshops



### Seminars as speaker

- 2022 Public Finance Workshop CUNEF,  Madrid (Spain),  in-person.  [Presentation](#)
- 2021 Banco de España Seminar Series,  Madrid (Spain),  virtual.  [Presentation](#)
- 2020 Banco de España Seminar Series,  Madrid (Spain),  virtual.  [Presentation](#)

### Seminars as discussant

- 2022 Public Finance Workshop CUNEF,  Madrid (Spain),  in-person.  [Presentation](#)

### Organization activities




- 2021 Sessions' host @ [European Winter Meetings of The Econometric Society 2021 \(#EWMES21\)](#),  Barcelona (Spain), 13-15 Dec,  virtual.
- Sessions' host @ [Symposium of the Spanish Economic Association 2021 \(#SAEe2021\)](#),  Barcelona (Spain), 16-18 Dec,  in-person.

## Refereeing Activity




Environment, Development and Sustainability  10668

## References

**Olympia Bover**, Banco de España

 *Microeconomic Studies Department Director*  
 Madrid (Spain)  
 bover@bde.es

**Dirk Foremny**, Universitat de Barcelona School of Economics

 *Associate Professor & PhD Thesis Supervisor*  
 Barcelona (Spain)  
 foremny@ub.edu

**Anne Brockmeyer**, Institute for Fiscal Studies & UCL

 *Research Director for TaxDev*  
 London (UK)  
 brockmeyer.anne@gmail.com

**Miguel Almunia**, CUNEF

 *Director Department of Economics*  
 Madrid (Spain)  
 miguel.almunia@cunef.edu

## </> Computer Literacy



Stata



Matlab



RStats



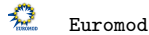
Python



Julia



Fortran



Euromod



Git



HTML & CSS



VS Code



TeX



Power BI

## 🗺 Languages

Spanish



Native

English



Fluent CEFR C1

German



Fluent CEFR B2

French






Basic CEFR A2

## 🏆 Grants, Honors & Awards







2022	Funding for project "Taxation and redistribution between globalization and decentralization" @ "Plan Estatal de Investigación Científica, Técnica y de Innovación 2021-2023". [Funded by Ministerio de Ciencia through the "Estrategia Española de Ciencia, Tecnología e Innovación 2021-2027"]
May 2022 - Apr 2025	3-year PhD Fellowship Grant @ UB School of Economics. [Funded by AGAUR (Generalitat de Catalunya) through UB]
Oct 2021	Attendance Scholarship @ XXVI Encuentro de Economía S'Ágaro, S'Ágaro (Spain). [Funded by FIOF]
Sep 2021 - Aug 2022	1st-year PhD Trainee (12-month) Grant @ AIREF. [Funded by AIREF through UB School of Economics]
Oct 2021 - Jul 2022	1st-year PhD TA (10-month) Grant @ UB School of Economics. [Non-formalized acceptance]
Jan 2020	High Honors Recognition in Master's Thesis @ Universität Mannheim.
Jan 2016 - Jul 2016	Erasmus + Grant for stay @ Universität Mannheim as visiting BA student.
Sep 2014 - Jul 2016	BA in Economics through the Cooperación Educativa Excellence Track. [Dual education program]
Sep 2013 - Jul 2016	High Honors Tuition Waiver (45 ECTS) @ Universidad Autónoma de Madrid.
May 2016	Spanish Delegate @ European Parliament Youth Congress, Strasbourg (France).
Oct 2014	Spanish Delegate @ CYFI - Europe and Central Asia Meeting, Skopje (North Macedonia).

## 📢 Dissemination, Interviews & Other Media Appearances













### 🗣 Talks

- >  Institutos de Educación Secundaria y Bachillerato de Segovia  
 ¿Para qué sirve la economía? ¿En qué trabaja un economista?  (Mar21)

### 📺 TV

- >  Castilla y León TV  
 Consecuencias económicas de la pandemia (Apr21)  Tributación conjunta en el IRPF (May21)  Nueva cotización de autónomos (Jun21)  
 Efectos de subir el SMI (Jul21)  Economía y despoblación, el caso español (Aug21)  Causas de la subida del precio de la electricidad (Sep21)

### 📻 Radio

- >  Cadena Cope (Segovia)  
 Economía española y COVID-19 (Mar21)  ¿La progresividad del IRPF es suficiente? (Apr21)  
 ¿Cómo puede afectar a los autónomos la reforma de su cotización? (May21)  ¿Efectos sobre el empleo una modificación del SMI? (Jun21)
- >  Onda Cero (Segovia)  
 Situación económica en tiempo de pandemia (Mar21)
- >  Radio Nacional de España (RNE)  
 Economía y despoblación: "Madrid atrae, Madrid repele" (Apr21)
- >  Nordeste Radio  
 Análisis de coyuntura económica (Feb21)  Alquileres, Empresas Zombie, Canal Suez (Mar21)

## Written Press

> (Economic analyses in different written-press media)

 El Mundo (Mar21)

 El Norte de Castilla (Feb21)

 El Adelantado de Segovia (Feb21)

 El Día de Segovia (Feb21)


 El Español (Feb21)

 Cuellar7 (Feb21)

## Other Professional Experience


June 2017  
August 2017



**Huercasa**,  Sanchonuño (Spain)

*Sales Agent - Wholesale & Retail* | Commercial Department

 *Description* : Commercial relations of international stature, distribution logistics, follow-up of sales, marketing strategies and modeling.


 *Full-time*.


February 2017  
April 2017



**John Deere**,  Mannheim (Germany)

*Business Processor - Order Processing and Finance* | Financial Department

 *Description* : Dealer's portfolio management, settlement, and order fulfillment activities, e-billing, accounting and bookkeeping, SAP, customer financing, high risk management.


 *Full-time*.


January 2015  
December 2015



**Management Solutions**,  Madrid (Spain)

*Consultant in Financial and Commodities Risk Consulting* | Financial Risks Area

 *Description* : Risk normative for banking, quantitative risk modeling, regulatory reporting (EBA, ECB, European Commission, FSB), capital requirements, risk management (credit, operational, methodology, and liquidity risk).

 *Full-time*.

## Additional Information

**Citizenship** : Spanish

**Culture** : Actor in theater troupe and musician in different music groups

**Hobbies** : Politics, sports, [earth rainfall climatology \(with my father\)](#), traveling

**Membership** : Jóvenes Castilla y León- Grupo de Economía

**Other** : Experience as worker in international fairs across Europe & music festivals

(Last update : January 10<sup>th</sup>, 2023. Access latest version [here](#).)

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