

Darío Serrano-Puente

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 [Google Scholar](https://scholar.google.com/citations?user=...)  [ORCID](https://orcid.org/...)  [IDEAS](https://ideas.repec.org/p/...)  [Web of Science](https://www.webofscience.com)  [SSRN](https://ssrn.com/author/...)  [Banko de España Author's Repo](https://www.bancomadrid.es/autor/...)
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 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**
 **Euromod**

 **Matlab**
 **Git**

 **RStats**
 **HTML & CSS**

 **Python**
 **VS Code**

 **Julia**
 **TeX**

 **Fortran**
 **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'Agaró, S'Agaró (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

- >  Conferencia magistral en Fundación Villa de Pedraza
 *Los retos de la economía española : pandemia, guerra y el papel del Estado* (Apr22)
 *¿Para qué sirve la economía? ¿En qué trabaja un economista?* (Mar21)

📺 TV


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

📻 Radio

- >  Cadena Cope (Segovia)
 *¿Efectos sobre el empleo una modificación del SMI?* (Jun21)  *¿Cómo puede afectar a los autónomos la reforma de su cotización?* (May21)
 *¿La progresividad del IRPF es suficiente?* (Apr21)  *Economía española y COVID-19* (Mar21)
- >  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
 *Alquileres, Empresas Zombie, Canal Suez* (Mar21)  *Análisis de coyuntura económica* (Feb21)

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 10th, 2023. Access latest version [here](#).)

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