

**Andrés F. Castro T.**  
Curriculum Vitae

### Contact information

Barcelona Supercomputing Center  
Plaça Eusebi Güell, 1-3  
08034 Barcelona (Espanya)  
E-mail: [andres.castro@bsc.es](mailto:andres.castro@bsc.es)  
ORCID: 0000-0003-1032-3869

### Current academic positions

- 2024 – Researcher (R3) in Science of Science, Barcelona Supercomputing Center (BSC) - Computational Social Sciences and Humanities Programme.
- 2024 – Associate Researcher, Center for Demographic Studies (CED-CERCA).
- 2022 – Research Guest, Max Planck Institute for Demographic Research.

### Past academic positions

- 2023-2024 Beatriu de Pinos Postdoctoral Research Fellow, Center for Demographic Studies (CED-CERCA).
- 2022-2022 – Juan de la Cierva Postdoctoral Research Fellow, Center for Demographic Studies (CED-CERCA).
- 2019-2021 – Postdoctoral Researcher, Max Planck Institute for Demographic Research, Fertility and Well-being laboratory.

### Education

Ph.D. in **Demography & Sociology**, University of Pennsylvania, Philadelphia, United States, March 2019. Dissertation: “Half a Century of Migration and Family Formation in Latin America and the Caribbean.” Advisor: Prof. Herbert Smith.

Master of Arts – **Demography**, University of Pennsylvania, United States. 2016  
Master of Science – **Statistics**, Universidad Nacional de Colombia, Bogotá. 2012  
Bachelor of Arts – **Sociology**, Universidad Nacional de Colombia, Bogotá. 2012.  
Bachelor of **Industrial Engineering**, Universidad Nacional de Colombia, Bogotá 2010.

### Publications

1. **Castro Torres, A. F.** (2024). “Revisiting North-South Disparities in Naming Practices: An Extension and Update”. *Social Currents*, <https://doi.org/10.1177/23294965241297932>
2. Akbaritabar, A., **Castro Torres, A. F.**, and Larivière V. (2024). A Global Perspective on the Social Structure of Science. *Humanities and Social Sciences Communications*, 11, 914. <https://doi.org/10.1057/s41599-024-03402-w>.
3. **Castro Torres, A.F.**, and Aliakbar Akbaritabar. (2024). “The Use of Linear Models in Quantitative Research.” *Quantitative Science Studies*, March, 1–21. [https://doi.org/10.1162/qss\\_a\\_00294](https://doi.org/10.1162/qss_a_00294).

4. Telles, Edward, Albert Esteve, & **Castro Torres, A. F.** (2023). “Black–White Intermarriage in Global Perspective.” *Demographic Research* 49 (November): 737–68.  
<https://doi.org/10.4054/DemRes.2023.49.28>.
5. Robles, A., **Castro Torres, A. F.**, & Casique, I. (2023). Los 15 años de la Revista Latinoamericana de Población desde una perspectiva bibliométrica. *Revista Latinoamericana de Población*, 17, e202326. <https://doi.org/10.31406/relap2023.v17.e202326>
6. Shukla, S., **Castro Torres, A. F.**, Satish, R. V., Shenderovich, Y., Abejirinde, I.-O. O., & Steinert, J. I. (2023). Factors associated with adolescent pregnancy in Maharashtra, India: A mixed-methods study. *Sexual and Reproductive Health Matters*, 31(1), 2249284.  
<https://doi.org/10.1080/26410397.2023.2249284>
7. **Castro Torres, A. F.**, and Edith Y. Gutierrez-Vazquez. (2023). “Power Relations and Persistent Low Fertility among Domestic Workers in Latin America.” *The Sociological Review*, August. <https://doi.org/10.1177/00380261231181772>.
8. Liu, Chia, **Castro Torres, A. F.**, and Ewa Batyra. (2023). “A Gender Story of Institutional Disengagement of Young Adults in Latin America.” *Sociology Compass*, August.  
<https://doi.org/10.1111/soc4.13138>.
9. Lee, D. S., Batyra, E., **Castro Torres, A.F.**, & Wilde, J. (2023). Human fertility after a disaster: A systematic literature review. *Proceedings of the Royal Society B: Biological Sciences*, 290(1998), 20230211. <https://doi.org/10.1098/rspb.2023.0211>
10. **Castro Torres, A. F.** (2023). “The Neglected Role of Domestic Migration on Family Patterns in Latin America and the Caribbean, 1950–2000.” *Studies in Family Planning*.  
<https://doi.org/10.1111/sifp.12241>
11. Batyra, Ewa, Luca Maria Pesando, **Castro Torres, A.F.**, Hans-Peter Kohler, and Frank Furstenberg. (2022). “Union formation, within-couple dynamics, and child well-being: A global macro level perspective.” *Population, Space and Place*.  
<https://doi.org/10.1002/psp.2661>
12. **Castro Torres, A. F.**, and Diego Alburez-Gutierrez. (2022). “North and South: Naming Practices and the Hidden Dimension of Global Disparities in Knowledge Production.” *Proceedings of the National Academy of Sciences* 119 (10): e2119373119.  
<https://doi.org/10.1073/pnas.2119373119>.
13. Abufhele, Alejandra, Luca Maria Pesando, and **A. F. Castro T.** (2022). “Parental Educational Similarity and Inequality Implications for Infant Health in Chile: Evidence from Administrative Records, 1990–2015.” *Research in Social Stratification and Mobility* 82 (December): 100736. <https://doi.org/10.1016/j.rssm.2022.100736>.
14. Garcia Arias, Jenny Alejandra, and **A. F. Castro Torres.** (2022). “A Binational Analysis of Infant Mortality among Crisis-Driven Diasporas and Those Who Remain” *BMJ Global Health* 7 (8): e009523. <https://doi.org/10.1136/bmjgh-2022-009523>.
15. Esteve, Albert, Teresa Castro-Martín, and **A. F. Castro Torres.** (2022). “Families in Latin America: Trends, Singularities, and Contextual Factors.” *Annual Review of Sociology* 48 (1): 485–505. <https://doi.org/10.1146/annurev-soc-030420-015156>.
16. **Castro Torres, A. F.** (2022). “Family Formation Trajectories and Migration in the United States by the End of the 20th Century.” *Current Sociology*, May, 001139212210971.  
<https://doi.org/10.1177/00113921221097155>.

17. **Castro Torres, A. F.**, and Edith Y. Gutierrez-Vazquez. (2022). “Gendered and Stratified Family Formation Trajectories in the Context of Latin American Migration, 1950 to 2000.” *International Migration Review*, January. <https://doi.org/10.1177/01979183211067768>.
18. **Castro Torres, A. F.**, Ewa Batyra, and Mikko Myrskylä. (2022). “Income Inequality and Increasing Dispersion of the Transition to First Birth in the Global South.” *Population and Development Review* 48 (1): 189–215. <https://doi.org/10.1111/padr.12451>.
19. **Castro Torres, A. F.**, Luca Maria Pesando, Hans-Peter Kohler, and Frank Furstenberg. (2022). “Family Change and Variation through the Lens of *Family Configurations* in Low- and Middle-income Countries.” *Population, Space and Place* 28 (4). <https://doi.org/10.1002/psp.2531>.
20. **Castro Torres, A. F.**, and Emilio Alberto Parrado. (2022). “Nativity Differentials in First Births in the United States: Patterns by Race and Ethnicity.” *Demographic Research* 46 (January): 37–64. <https://doi.org/10.4054/DemRes.2022.46.2>.
21. **Castro Torres, A. F.** (2021). “Analysis of Latin American Fertility in Terms of Probable Social Classes.” *European Journal of Population* 37 (2): 297–339. <https://doi.org/10.1007/s10680-020-09569-7>.
22. **Castro Torres, A. F.**, and B. Piedad Urdinola. (2019). “Armed Conflict and Fertility in Colombia, 2000–2010.” *Population Research and Policy Review* 38 (2): 173–213. <https://doi.org/10.1007/s11113-018-9489-x>.
23. Pesando, Luca Maria and **GFC-team**. (2019). “Global Family Change: Persistent Diversity with Development.” *Population and Development Review* 45 (1): 133–68. <https://doi.org/10.1111/padr.12209>.
24. Lebaron, Frédéric, and **A. F. Castro Torres**. (2018). “Some Contributions from Geometry to Linear Models’ Construction in Social Sciences.” *Bulletin of Sociological Methodology/Bulletin de Méthodologie Sociologique* 140 (1): 90–109. <https://doi.org/10.1177/0759106318795218>.

## Book chapters

1. Esteve, A. **Castro Torres, A. F.**, Becca, F. 2023. “Family Change in Latin America: Schooling and Labor Market Implications for Children and Women” Chapter prepared for the Latin American and the Caribbean Inequality Review.
2. Garcia, Jenny. Torres, Catalina. **Castro Torres, A. F.** Rousset, Brenda. “El registro de la mortalidad asociada a la COVID-19: ¿quiénes están incluidos en las estadísticas de defunciones?” In: Binstock, G., Nathan, M., Pardo, I., and Pelaez, E. (coordinators). *Desafíos para el avance de la Agenda 2030 en América Latina y el Caribe en el marco de la COVID-19*. Serie Investigaciones Latinoamericanas de Población No. 1. First edition. Rio de Janeiro, 2021.

## Working papers and preprints

1. Ruiz-Ramos, Carlos, and **Castro Torres, A.F.** (2024). “Unequal Family Contexts for Children and Adolescents in Spain.” SocArxiv. <https://doi.org/10.31235/osf.io/yw4tu>.

2. **Castro Torres, A. F., & Ruiz-Ramos, C. (2024).** Transition to Adulthood and the Intergenerational Transmission of Disadvantages Among Young Adults in Spain. SocArxiv. <https://doi.org/10.31235/osf.io/7wzxb>

## Teaching experience

### Instructor

- **Statistical Analysis Techniques**, Master in Social Science Research, *Pompeu Fabra University*, Barcelona, October 2023 to December 2023. Seven lectures, 21 hours total.
- **Using Principal Component Analysis to plot contingency tables.** *Master class, Center for Demographic Studies*, November 2021. One-time (2 hours) session.
- **Applied Sequence Analysis**, École d'été de santé publique et d'épidémiologie de Bicetre. *Institut National de la Santé de la Recherche Médicale et Université de Paris-Saclay*, June 2019. One-week course, 20 hours.

### Teaching Assistant

- **Social Statistics.** Undergraduate level course, Instructor: Prof. Michel Guillot. *The University of Pennsylvania*. School of Arts and Sciences. Spring term 2018.
- **Health of Populations.** Undergraduate level course, Instructor: Prof. Irma Elo. *The University of Pennsylvania*. School of Arts and Sciences. Spring term 2017.
- **Research Seminar.** MSc in Social Work, Department of Social Work, *Universidad Nacional de Colombia*, Department of Social Work, 36 hours, April 2016.
- **Social Indicators, Demography, Foundations of Social Sciences, Sociology of Industry and Labor, Quantitative Methods.** Undergraduate course, Department of Sociology, *Universidad Nacional de Colombia*, 2010-2012.

### Lecturer

- **Quantitative Methods, Social Indicators, Demography.** Undergraduate courses, Department of Sociology, *Universidad Nacional de Colombia*, 2012-2014 (five academic terms).

## Theses direction and mentoring

### Doctoral thesis direction

- “Interconnected inequalities and the life course in Spain.” Student: Carlos Ruiz-Ramos. Ph.D. in Demography. **Universitat Autònoma de Barcelona.**

### Doctoral thesis co-direction

- “Household composition in Latin America in the 21st century.” Student: Federica Becca. Ph.D. in Demography. **Universitat Autònoma de Barcelona.**
- “Los cambios de la fecundidad en México en distintos contextos económicos y sociales: diversidad o convergencia, 1965-2018.” Doctorado en Demografía. **El Colegio de México.**

### Master thesis mentoring

- “Social Inequality Among Teenage Mothers and Infant Mortality in Nigeria.” Student: Philip Abughul. **European Doctoral School of Demography.**

## Professional experience

Consultant (4 months, 2019)

United Nations Relief and Work Agency for Palestine Refugees in the Near East – UNRWA.

*Description:* I conducted a quantitative study of data quality, mortality conditions, and the completeness of death reports among Palestinian refugees in Lebanon using the 2019 census of Palestinian refugees in Lebanon.

Consultant (38 months, 2012-2014).

Departamento Nacional de Planeación (Ministry of National Planning). Gobierno de la República de Colombia (Colombian government)

*Description:* I worked as a statistician and data analyst for the Rural Development subdivision. I co-lead the design and implementation of a rural development program that involved more than 5,000 families and 300 local organizations in the rural areas of the southeast Colombian territory.

## Funding

1. Desigualdades Generacionales y del Curso de Vida desde una Perspectiva Demografica (GENLIFE) - Proyecto de Generación de Conocimiento, Ministerio de Ciencia e Innovación, Gobierno de España (**€95,000.00**)
2. Ramon y Cajal fellowship, 2024-2028 (**€254,000.00**)
3. Beatriu de Pinós Research Fellowship. Autonomous Government of Catalonia, Department of Research and Universities, (2023-2025, **€297,000.00**)
4. Social Research Call ‘la Caixa’ Foundation. Project: Interconnected Inequalities and the Life Course in Spain (<https://ced.cat/projectes/interineq/>), (2022-2024, **€99,600.00**)
5. Juan de la Cierva Research Fellowship. Ministerio de Ciencia e Inovacion, Gobierno de España. (2021-2022, **€50,000.00**)
6. Marie Skłodowska-Curie Actions (not awarded) - Seal of Excellence European Commission, 2019. About the Seal of Excellence: <https://ec.europa.eu/research/soe/index.cfm>
7. Dissertation Completion Fellowship. School of Arts and Sciences, University of Pennsylvania (2018-2019, **\$28,400.00**)
8. Incoming stipend for international students. Institute nationale d’études démographiques, Paris, France. (2017-2018, **€9,000.00**)
9. Benjamin Franklin Fellowship for Graduate Studies. School of Art and Sciences, University of Pennsylvania. (2016-2017, **\$68,160.00**)
10. Doctoral Studies Fellowship - Beca Desarrollo de las Regiones Petroleras. The Fulbright Commission for Colombia. (2014-2015, **\$42,000.00**)
11. Graduate Scholarship (Beca para estudiantes sobresalientes de posgrado) (4 terms). Universidad Nacional de Colombia, Facultad de Ciencias Humanas, 2010-2012.

## Other funding

- Summer School Financial Assistance, Jacobs Center for Productive Youth Development, University of Zurich, 2017.
- Research Summer Travel Grant, Graduate and Professional Students Association, University of Pennsylvania, 2016.
- Travel and Accommodation Funding for the International Population Conference, Busan, South Korea, International Union for the Scientific Study of Populations, 2013.

## **Prizes and awards**

2018 Best Poster Award, Population Association of America – Annual Meeting, Denver, Colorado. Poster: “Identifying gendered patterns of family formation and dissolution among immigrants” (With Gutierrez, Universidad de Guadalajara)

2016 Nancy M. Fariss Best Graduate Paper Award, Latin American & Latino Studies Program – University of Pennsylvania, Philadelphia, Pennsylvania. Paper: “Social structure, social classes and fertility decline in Latin America”

2015 IPUMS-International Research Award, Minnesota Population Center – University of Minnesota. Paper: “Social Structure, Social Class and Fertility Decline in Latin America between 1950 and 2000”

## **Advanced Schools and international training**

Introduction to Computational Text Analysis with R. *GESIS - Leibniz Institute for the Social Sciences*, Germany.

Introduction to Bayesian Statistics. *GESIS - Leibniz Institute for the Social Sciences*, Germany.

Workflows for Reproducible Research with R & Git. *GESIS - Leibniz Institute for the Social Sciences*, Germany.

Análisis de Efectos de Moderación e Interacción en los Modelos de Regresión: La Problemática de la Interseccionalidad. *Universidad Autónoma de Barcelona*, Spain (01/03/2023 - 03/03/2023)

Text mining. Introducción a la extracción de información a partir de textos no estructurados. *Instituto Vasco de Estadística*, Spain (24/11/2022 - 25/11/2022)

Introduction to Digital Demography *Max Planck Institute for Demographic Research*, Germany (30/03/2020 – 03/04/2020)

Summer School on Geometric Data Analysis - Basic Aspects and Advanced Questions *University of Potsdam, Faculty of Economics and Social Sciences* (23/09/2019-27/09/2019)

Rostock Retreat on Simulation. *Max Planck Institute for Demographic Research*, Germany (01/07/2019 – 03/07/2019)

Multistate Models: Life course analysis from event histories and panel data *Max Planck Institute for Demographic Research*, Germany (22/10/2018 – 25/11/2018)

8th Berlin Summer School in Social Sciences: linking theory and empirical analysis *Berlin Graduate School of Social Sciences*, Germany (16/07/2018 – 28/07/2018)

Graduate writing workshop for international students – 10-hour series *University of Pennsylvania*, Philadelphia (03/04/2018 – 17/04/2018)

Summer School on Longitudinal and Life Course Research *University of Zurich*, Switzerland (21/08/2017 – 25/08/2017)

3rd Annual Workshop in Formal Demography  
*University of California, Berkeley, USA (05/06/2017 – 09/06/2007)*

Writing & Designing NSF Proposals Workshop – 16-hour series  
*Grant Training Center, USA (12/09/2016)*

## **Presentations**

2024

“The double advantage of highly educated women in fertility opportunities and outcomes. The case of Spain” European Consortium for Sociological Research, Barcelona, Spain.

2023

“The importance of Social Inequalities for Family Demography” PopSeminars, University of Lisbon, Online.

“A Joint Study of Social and Epistemic Injustices (INJUST).” Job talk for the Chair Junior Professor MOBIMATHS at the Centre national de la recherche scientifique (CNRS), Paris, France.

“Social configurations of inequality and family formation patterns in contemporary Spain” Second MigrantLife Symposium. The University of Saint Andrews.

2022

“Sub-national Fertility and the Covid-19 Pandemic in Colombia and Brazil, 2010-2021.” Pandemic Babies? The Covid-19 Pandemic and Its Impact on Fertility and Family Dynamics. Berlin (hybrid event).

“North and South: Naming practices and the hidden dimension of global disparities in knowledge production.” Nordic Network for the Science of Science: 1st Workshop, Helsinki, Finland.

“Gendered and stratified family formation trajectories in the Americas. A multi-site study.” MiSoC Research Workshop and PhD Colloquium: Ethnicity and Migration, Essex, United Kingdom.

“Power relations and persistent low fertility among domestic workers in Latin America.” Latin American Studies Association – annual meeting, San Francisco, California (hybrid event).

“Heterogeneous associations between the Covid-19 pandemic and births across subnational areas in Brazil and Colombia. A registry data-based analysis.” Population Association of America - annual meeting. Atlanta, Georgia (hybrid event).

2021

“Sub-national Fertility and the Covid-19 Pandemic in Colombia and Brazil, 2010-2021.” Pandemic Babies? The Covid-19 Pandemic and Its Impact on Fertility and Family Dynamics. Berlin (hybrid event).

“A gender story of social disengagement of young adults in Latin America.” British Society for Population Studies – annual meeting. London. (virtual).

“Who has the right to generalize? A bibliometric analysis of research articles’ titles in the social sciences.” European Sociological Association – annual meeting. Barcelona (virtual).

“First class, then culture: accounting for the historically low fertility among domestic workers in Latin America.”. American Sociological Association – annual meeting. (virtual).

2020

“A Demographic Perspective on Migration Systems in the Americas”. Heidelberg University. Heidelberg Center for Ibero-American Studies. Job talk for a Junior Professorship in Migration and the Americas

“From early fertility for all to late fertility for all, emergence and correlates of bimodal fertility.” Population Association of America - annual meeting. Washington DC.

2019

“The role of migration on fertility and partnership life courses in the United States”. American Sociological Association– annual meeting. New York

“The role of domestic migration on the Latin American fertility transition”. Population Association of America - annual meeting. Austin, Texas.

“Family complexity and diversity across the world”. Population Association of America - annual meeting. Austin, Texas.

2018

“Domestic migration and family trajectories in Latin America”. Job talk for the Fertility and Well-being research group. Max Planck Institute for Demographic Research, Rostock, Germany

“Migration and family change in Latin America”, Berlin Graduate School of Social Sciences, 8th Berlin Summer School in Social Sciences, Berlin, Germany.

“Identifying Configurations of Family Change across Low- and Middle-Income Countries”, Population Association of America - Annual meeting. Denver, Colorado.

2017

“Trayectorias de formación familiar y migración. EEUU y América Latina”, Centro de Estudios Demográficos, Universidad Autónoma de Barcelona, Barcelona, Spain.

“Social classes and fertility decline – Evidence from six Latin American countries”. XXVIII IUSSP International Population Conference. Cape Town, South Africa.

“The role of migration on family formation trajectories – Evidence from the US”. XXVIII IUSSP International Population Conference. Cape Town, South Africa.

“Social classes and fertility in Latin America”. Population Association of America - Annual meeting. Chicago, Illinois.

2016

“Social structure, social class and fertility decline in Latin America between 1940 and 2000”. The Impacts and Challenges of Demographic Change – MUTADEMO IPOPS, Paris, France.

“Why and how to use Pierre Bourdieu’s theory in demographic research”. The contemporary relevance of the work of Pierre Bourdieu. University of Bristol. Bristol, United Kingdom.

“Can we use linear models to grasp a social fact in a relational perspective?” The contemporary relevance of the work of Pierre Bourdieu. University of Bristol. Bristol, United Kingdom.

“Prevalence and trends in unintended childbearing. The role of immigration” Population Association of America - annual meeting. Washington DC.

*2015*

“Armed Internal Conflict (AIC) and Fertility in Colombia 2000 – 2010”. Health in Latin America and the Caribbean: equity, access and innovation. University of Pennsylvania. Philadelphia, Pennsylvania.