Matías Montero

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Address Wolfson College, Linton Road, OX2 6UD, Oxford, UK

Current Position

Oct 2024 – Current **DPhil Student**

DPhil in Education. Department of Education, University of Oxford.
Supervisors: Professors Alis Oancea and Lars-Erik Malmberg.

Education

Oct 2023 – Sep 2024 **MSc in Education (Research Design and Methodology)**

Department of Education, University of Oxford.
Outcome: Distinction. Supervisor: Professor Steve Strand.

Mar 2016 – Dec 2020 **BSc in Sociology**

Department of Sociology, Universidad de Chile.
First-Class Honours (GPA: 6.7, from 1.0 to 7.0 | Ranking: 1st out of 70 graduates).
Supervisor: Karina Navarro.

Teaching Experience

Mar 2026 **Guest Lecturer**

Independent Project (MCM999). MA module at the School of Communication & Creativity, City St George's, University of London.

Oct 2025 – Current **Doctoral Teaching Fellow**

Oct 2025 – Mar 2026 Introduction to Quantitative Research and Intermediate Quantitative Research. PhD & MSc in Education course at the Department of Education, University of Oxford. Lecturer: Professor Lars-Erik Malmberg.

Aug 2017 – Nov 2024 **Teaching Assistant**

Ago 2024 – Dec 2024 Quantitative Research Methodology in Education. PhD in Education course at the Universidad de Chile. Lecturer: Lorena Ortega.

Ago 2024 – Nov 2024 Quantitative Methodology II. MSc in Educational Research course at the Institute of Education, Universidad de Chile. Lecturer: Patricio Rodríguez and Lorena Ortega.

Mar 2021 – Jun 2023 Basic Statistics. MSc Social Research Methods course at Universidad Diego Portales. Lecturer: Macarena Orchard.

Oct 2021 – Dec 2021 Advanced Statistical Techniques. MSc Social Research Methods course at Universidad Diego Portales. Lecturer: Professor Mónica Gerber.

Mar 2021 – Jun 2021 Sociology of Education. BSc Sociology course at Department of Sociology, Universidad de Chile. Lecturer: Lorena Ortega.

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Mar 2021 – Jun 2021	Social Research Methods. BA course at Faculty of Communications, Pontificia Universidad Católica de Chile. Lecturer: Constanza Ayala.
Mar 2021 – Jun 2021	Statistics I. BSc Sociology course at Department of Sociology, Universidad Alberto Hurtado. Lecturer: Constanza Ayala.
Jan 2021	Mixed Methods Applied to Social Sciences. BSc Political Science course at Department of Politics and Government, Universidad Alberto Hurtado. Lecturer: Federica Sánchez. *Intensive summer course.*
Aug 2020 – Jan 2021	Psychological Measurement Instruments. BSc Psychology course at Department of Psychology, Universidad de Chile. Lecturer: Claudia Zúñiga.
Mar 2019 – Jun 2019	Multivariate Statistics. BSc Sociology course at Department of Sociology, Universidad de Chile. Lecturer: Juan Carlos Castillo.
Mar 2019 – Jun 2019	Statistics IV. BSc Sociology course at Department of Sociology, Universidad de Chile. Lecturer: Constanza Ayala.
Aug 2018 – Jan 2019	Quantitative Research Strategies. BSc Sociology course at Department of Sociology, Universidad de Chile. Lecturer: Ignacio Cabib.
Mar 2018 – Jun 2019	Descriptive Statistics. BSc Sociology course at Department of Sociology, Universidad de Chile. Lecturer: Giorgio Boccardo.
Mar 2018 – Jun 2019	Social History of Chile. BSc Sociology course at Department of Sociology, Universidad de Chile. Lecturer: Giorgio Boccardo.
Aug 2018 – Jan 2019	Correlational Statistics. BSc Sociology course at Department of Sociology, Universidad de Chile. Lecturer: Constanza Ayala.
Ago 2017 – Dic 2017	Political and Social History of Chile. BSc Sociology course at Department of Sociology, Universidad Alberto Hurtado. Lecturer: Camila Silva Salinas.
Ago 2017 – Dic 2017	Political and Social History of Latin America. BSc Sociology course at Department of Sociology, Universidad Alberto Hurtado. Lecturer: Camila Silva Salinas.

Research Experience

Apr 2026 – Jun 2026 **Visiting Doctoral Researcher**

Society and Health Research Centre, Universidad Mayor, Chile
Academic Host: Dr Diego Palacios.
Collaborated on the project: "Relational Opportunity Structures in Adolescence: How Extracurricular Activity Contexts Shape Social Status of Peer Network Dynamics."

Jun 2025 – Oct 2025 **Visiting Doctoral Researcher**

Institute of Sociology, Pontificia Universidad Católica de Chile.
Academic Host: Dr Alejandro Espinosa Rada.

Collaborated on the FONDECYT Postdoctoral Grant 3250037: "Isolation and Social Groups in a University Community".

Mar 2018 – Current **Research Assistant**

Feb 2026 – Jun 2026 The British Academy Pump Priming Collaboration between UK and EU Partners Scheme N° PPHE26\100097: "Making Europe a Global Magnet for International Students". PI: Professor Rachel Brooks (Department of Education, University of Oxford).

Dec 2025 – Feb 2026 The British Academy Postdoctoral Fellowship N° PFSS25\250031: "From Access to Inclusion: Cross-Class Dynamics in Academically Selective Institutions". PI: Paulina Rodríguez (Department of Education, University of Oxford).

Nov 2025 – Feb 2026 Puente Funding Scheme Project 2025: "Support and Care Networks among Older Adults: A Literature Review on Sibling Bonds." PI: Francisca Ortiz (Centre for Economy and Social Policy, Universidad Mayor). Funding: Vice-Rectorate for Research, General Directorate of Research and Artistic Creation, Universidad Mayor.

Nov 2025 – Mar 2026 The EthOS Project. Institute of Advanced Study, Durham University. PI: Professor Catherine Montgomey.

Jul 2020 – Current Centre for Advanced Research in Education (CIAE), Institute for Advanced Studies in Education (IE), Universidad de Chile.

Research Projects:

- *Choosing Schools with a Click: Appropriation of Information about the School Admission System by Parents and Guardians*. FONDECYT Regular Grant N° 1250492. May 2025 – Current.
- *Gender Segregation Between Knowledge Areas in Chilean Academic Secondary Education: Background, Moderators and Consequences*. FONDECYT Regular Grant Nº 1231930. Funded by the Chilean National Agency for Research and Development. PI: Lorena Ortega. April 2023 – Current.
- *Impact Evaluation of the STEM Gender Programme on Female 10th-graders and STEM Teachers.* United Nations Development Programme (UNDP) and Chile's Ministry of Education. UNDP-CHL-00141. PI: Pilar Reyes (CIAE, Universidad de Chile). Aug 2025 – January 2026.
- *Learning Achievements from Migrant Students.* Funded by the Chilean Education Quality Assurance Agency, Chilean Ministry of Education, Government of Chile. PI: Lorena Ortega (CIAE, Institute for Advanced Studies in Education, Universidad de Chile). November 2025 – January 2026.
- *Gender Segregation in Chilean Academic Secondary Schools and Higher Education: Analysis of their Consequences on the Pay Gap*. Supported by the Social Information Record, Chile's Ministry of Social Development and Family. PI: Catalina Canals

(Institute of Social Sciences, Universidad de O'Higgins). May 2024.

- *Study of Gender Gaps in Mathematics in Chile: Trends, Post-Pandemic Changes and Associated Factors*. Funded by the Chilean Education Quality Assurance Agency, Chilean Ministry of Education, Government of Chile. PI: Lorena Ortega (CIAE, Institute for Advanced Studies in Education, Universidad de Chile). May 2024 – November 2024.
- *Learning Achievement of Students in Mobility Situations. Cases of Colombia, Ecuador and Peru*. Funded by the UNESCO Regional Multisectoral Office in Santiago, Contract N° 4500489466-A1. PI: Lorena Ortega. February 2024 – May 2024.
- *Consultancy for the Elaboration of Discussion Documents on Inclusion, Gender, School Coexistence and Violence in the Educational Environment*. Funded by the UNESCO Regional Multisectoral Office in Santiago, Contract N° 4500474724. PI: Lorena Ortega. January 2023.
- FONDECYT de Iniciación Grant Nº 11190591: "Effective and inclusive classrooms: Social networks of teacher-student interactions and their association with change in educational outcomes and learning gaps". PI: Lorena Ortega. November 2020 – October 2022.
- FONDECYT Regular Grant Nº 1200633: "Networks and patterns in the creation of knowledge in social sciences and humanities at Latin American universities: a geopolitical perspective". PI: Professor Carolina Guzmán-Valenzuela (Faculty of Education and Humanities, Universidad de Tarapacá). July 2020 – December 2021.

Dec 2024 – Oct 2025 FONDECYT Regular Grant N° 1210296: "Female teachers in highly masculinised vocational education and training (VET) sectors. How key are they to advancing gender equity?". PI: Paola Sevilla (Faculty of Education, Pontificia Universidad Católica de Chile).

Apr 2024 – Oct 2024 InES Gender Research Project INGE220007: "Care Approach or Rights-Based Approach: An Exploratory Study of Gender Bias in the Teaching Profession". PI: Andrea Bustos (School of Pedagogy, Pontificia Universidad Católica de Valparaíso).

May 2024 – Jul 2024 Centre for Educational Assessment, Department of Education, University of Oxford. Supervisor: Dr Stuart Cadwallader. PI: Professor Jenny Ingram.

Aug 2022 – May 2023 FONDECYT Regular Grant Nº 1181751: "Training readers and trainers of readers: children's comprehension needs and how teachers can help them". PI: Andrea Bustos (School of Pedagogy, Pontificia Universidad Católica de Valparaíso).

Sep 2019 – Aug 2022 FONDECYT Regular Grant Nº 1191295: "Social networks, emotions, and repression in social participation normative and non-normative. A research in Chilean students". PI: Claudia Zúñiga (Department of Psychology, Universidad de Chile).

Sep 2018 – Nov 2019 FONDECYT de Iniciación Grant Nº 11160256: "Detection of non-linear relations between latent variables: Potentialities of SEM models and development of fit

techniques and model selection". PI: Karina Navarro (Department of Sociology, Universidad de Chile).

Mar 2018 – Feb 2019 FONDECYT Regular Grant Nº 1160303: "Student movement in post-dictatorship Chile: a longitudinal study in the group and macrosocial domains". PI: Rodrigo Asún (Department of Sociology, Universidad de Chile).

Dec 2018 FONDEF Project Grant Nº 16I10119: "Innovative methodologies for the initial training of education teachers in mathematics: a model based on effective classroom practices and information technologies". PI: Professor Salomé Martínez (Centre for Mathematical Modelling, Universidad de Chile).

Feb 2019 – Mar 2023 **Assistant of The Board of Directors**

Chilean Association of Methodology, Measurement and Assessment (ACMME). President: Karina Navarro.

Dec 2018 & Jan 2020 **Support Staff**

Jan 2020 Multivariate Analysis Diplomate. Department of Sociology, Universidad de Chile. Director: Karina Navarro.

Book Chapters

Dec 2026 **Montero, M.**, (In Press). Quantitative proposal: research-on-research. Networks and Gender Disparities Across the Careers of Latin American Education Researchers. In Punch, K. & Oancea, A. (Eds), *Developing Effective Research Proposals*. Sage Publishing.

Journal Articles

Mar 2026 Ortega, L., **Montero, M.**, Romero, A., Canals, C. & Mizala, A. (2026). Pathways to Gender Equity in Latin America and the Caribbean: A Comparative Analysis of Trends in Mathematics Gender Gaps Using PISA Data. *Studies in Educational Evaluation*, 88, 101579. https://doi.org/10.1016/j.stueduc.2026.101579

Dec 2025 Zelada, C., Ortega, L., & **Montero, M.** (2025). The Unfulfilled "Chilean Dream"? Inequalities and Institutional Segregation in the Transitions of Foreign Students to Higher Education in Chile. *Education Policy Analysis Archives*, *33*. https://doi.org/10.14507/epaa.33.8520

Jan 2025 Ortega, L., **Montero, M.**, Canals, C. & Mizala, A. (2025). Gender Segregation in Secondary School Course Choices: Socioeconomic Gradients and the Protective Role of School Gender Culture. *American Educational Research Journal*, *62*(3), 499-539. https://doi.org/10.3102/00028312241308537

Sept 2024 Ortega, L., Guzmán-Valenzuela, C., **Montero, M.**, Palacios, D., & Ortiz Ruiz, F. (2025). Looking beyond representation: Gender inequities in research attrition, output, leadership, and collaboration in Chilean education researchers' career trajectories. *Journal of Diversity in Higher Education*, *18*(Suppl 1), S709–S723. https://doi.org/10.1037/dhe0000617

Sept 2024 Bustos-Ibarra, A., Montenegro, C., Ciga, E., Calfual-Catalán, C., Jarpa-Azagra, M., Fernández M., Olivares-Jiménez, J. & **Montero, M.** (2024). ¿Es posible transformar las prácticas en las aulas de primaria? El caso de un programa para formadores de lectores. *Profesorado*, *28*(3), 167–190. https://doi.org/10.30827/profesorado.v28i3.29688

Jul 2024 Jarpa-Azagra, M., Bustos-Ibarra, A., Olivares-Jiménez, J., Calfual-Catalán, K. & **Montero, M.** (2024). To Promote Pedagogical Reflection to Improve Classroom Practices Based on Professional Teaching Writing. *Revista Mexicana de Investigación Educativa*, *29*(102), 657-681.

Apr 2022 Guzmán-Valenzuela, C., Ortega, L., **Montero, M.** & Pérez Mejías, P. (2023). The new knowledge production in the social sciences and in the arts and humanities in Latin America. *Higher Education*, *85*(3), 587-612. https://doi.org/10.1007/s10734-022-00853-5

Apr 2020 Retamales, M., Correa, C., **Montero, M.**, & Omonte, F. (2020). On the intertwining of the political subject and the socio-political matrix. *Revista de Ciencias Sociales*, *28*(43), 34-57.

Reports

May 2025 Ortega, L., Mizala, A., Canals, C., Morawietz, L., Meneses, F., & **Montero, M.** (2025). *The gender gap in mathematics left by the pandemic: what lies behind it and how to move forward?* [Policy brief]. CIAE, Instituto de Estudios Avanzados en Educación (IE), Universidad de Chile. https://intranet.ciae.cl/uploads/resources/710/IE-IDEAS-BOLETIN-N5_V8_1750091409450.pdf

Apr 2025 Ortega, L., Morawietz, L., **Montero, M.**, Romero, Á., & Carvajal, P. (2025). *Study on Mathematics Gender Gap in Chie: Trends, Post-Pandemic Changes and Associated Factor* [Policy brief]. Agencia de Calidad de la Educación. https://s3.us-east-1.amazonaws.com/archivos.agenciaeducacion.cl/Brechas+Ge%CC%81nero_Informe.pdf

Apr 2025 Ortega, L., Morawietz, L., **Montero, M.**, & Romero, Á. (2025). *Analysis of Migrant Students' Learning Achievements: Cultural, Policy, and Educational Practice Factors that Promote Them* [Policy brief]. Agencia de Calidad de la Educación. https://s3.us-east-1.amazonaws.com/archivos.agenciaeducacion.cl/Informe+logros+aprendizaje+migrantes.pdf

Awards and academic distinctions

Jul 2024 **Grand Union Doctoral Training Partnership (GUDTP) Studentship**

Awarded by the Economic and Social Research Council (ESRC), United Kingdom Research and Innovation (UKRI), Department for Science, Innovation and Technology, Government of the United Kingdom. Total funding: approximately $221,000 USD.

May 2024 **Wolfson College Travel and Research Grant**

Awarded by Wolfson College, University of Oxford. Total funding: £300.

Sep 2022 **Chilean Scholarship Programme for Master's Degree Studies Abroad**

Awarded by the National Agency of Research and Development, Ministry of Science, Government of Chile (Ranking: 45 out of 134 scholarships awarded, with 605 applicants). Total funding: approximately $67,000 USD.

Apr 2019 **William Gosset Award**

Best undergraduate academic poster: "Assessing the Student's t-test assumptions frequently noted in statistics textbooks". 1st National Research Techniques and Methods Meeting, Chilean Association of Methodology, Measurement and Assessment (ACMME).

Nov 2018 **Travel Grant**

Undergraduate students' funding for academic congresses. Funded by Student Affairs Office, Faculty of Social Sciences, Universidad de Chile.

Academic service

Feb 2022 – Present **Peer Reviewer**

June 2026 International Journal of Educational Research.

Apr 2026 Psykhe.

Jul 2024 38th International Congress for School Effectiveness and Improvement (ICSEI). February 10 - 14, 2025. Melbourne, Australia. https://www.icsei.net/

May 2024 Cambridge Educational Research e-Journal (CERJ). Faculty of Education, University of Cambridge. https://cerj.educ.cam.ac.uk/

Feb 2022 Revista de Sociología (Journal of Sociology), Universidad de Chile. https://revistadesociologia.uchile.cl/

Membership

Jan 2019 – Present **Student Member**

Nov 2024 – Present Comparative and International Education Society (CIES).

May 2024 – Present International Network for Social Network Analysis (ISNA).

Dec 2019 – Present Chilean Society for Social Network Science (CHISOCNET).

Jan 2019 – Present Association of Methodology, Measurement and Assessment (ACMME).

Scientific publishing software & data analysis

Apr 2017 – Present R, Mplus, SPSS, Quarto, Google Colab, Overleaf, Zotero, Office, G Suite, GitHub.