

Marília Nepomuceno

TRAINING CHAIR & RESEARCH SCIENTIST · MAX PLANCK INSTITUTE FOR DEMOGRAPHIC RESEARCH

Konrad-Zuse str.1, 18057 Rostock, Germany

☎ +49 381 2081-223 | ✉ nepomuceno@demogr.mpg.de | 🐦 @MariliaNepo | 🎓 Marília Nepomuceno

Work Experience

Training Chair

SOCIAL DEMOGRAPHY DEPARTMENT, MAX PLANCK INSTITUTE FOR DEMOGRAPHIC RESEARCH

Rostock, Germany

2023 – Present

Research Scientist

LIFESPAN INEQUALITY RESEARCH GROUP & POPULATION HEALTH LAB., MAX PLANCK INSTITUTE FOR DEMOGRAPHIC RESEARCH

Rostock, Germany

2022 – Present

Parental Leave

12 MONTHS

Rostock, Germany

2022–2022

Research Scientist and Country-specialist at the Human Mortality Database

LABORATORY OF DEMOGRAPHIC DATA, MAX PLANCK INSTITUTE FOR DEMOGRAPHIC RESEARCH

Rostock, Germany

2021–2021

Deputy Research Coordinator of the Short-Term Mortality Fluctuations Data Series

LABORATORY OF DEMOGRAPHIC DATA, MAX PLANCK INSTITUTE FOR DEMOGRAPHIC RESEARCH

Rostock, Germany

2021–2021

United Nations Consultant

DEPARTMENT OF ECONOMIC AND SOCIAL AFFAIRS, POPULATION DIVISION

Remote work

2020–2020

Postdoc

LIFESPAN INEQUALITY RESEARCH GROUP, MAX PLANCK INSTITUTE FOR DEMOGRAPHIC RESEARCH

Rostock, Germany

2017–2020

Assistant Professor

DEPARTMENT OF STATISTICS, FEDERAL UNIVERSITY OF MINAS GERAIS

Belo Horizonte, Brazil

2013–2014

Education

Ph.D in Demography

FEDERAL UNIVERSITY OF MINAS GERAIS, DEPARTMENT OF DEMOGRAPHY (CEDEPLAR)

Belo Horizonte, Brazil

2013 – 2017

- Thesis Title: Overcoming Limitations of Demographic Data
- Supervisor: Cássio M. Turra

European Doctoral School of Demography

ORGANIZED BY EUROPEAN ASSOCIATION FOR POPULATION STUDIES (EAPS)

Rostock/Warsaw, Germany/Poland

2014 – 2015

M.A. in Demography

FEDERAL UNIVERSITY OF MINAS GERAIS, DEPARTMENT OF DEMOGRAPHY (CEDEPLAR)

Belo Horizonte, Brazil

2010 – 2012

B.A. in Actuarial Sciences

FEDERAL UNIVERSITY OF MINAS GERAIS, DEPARTMENT OF STATISTICS

Belo Horizonte, Brazil

2005 – 2009

Grants Awarded

DAAD Grant

PRINCIPAL INVESTIGATOR

24,235 Euro

2023–2024

- Germany-Brazil Joint Research Co-operation Scheme Project: “Assessing the impact of the COVID-19 pandemic on Brazilian population dynamics.” Funded by the German Academic Exchange Service (DAAD) and the Brazilian Coordination for the Improvement of Higher Education Personnel (CAPES). Funding: 24,235 Euro (DAAD) + 137,112 Euro (CAPES)

DAAD Grant

INVESTIGATOR

15,812 Euro

2019–2020

- Australia-Germany Joint Research Co-operation Scheme Project: “Truncated Cross-sectional Inequality in Lifespan (TCIL).” Funded by the German Academic Exchange Service (DAAD) and the the Universities Australia. Funding: 15,812 (DAAD) + 24,000 AUD (Universities Australia)

Visiting Grants Awarded

2019 **Research stay at Institut national d'études démographiques (INED)**, Funding: 3,600 Euro; 2 months

Paris, France

2018 **Research stay at Institut national d'études démographiques (INED)**, Funding: 1,800 Euro; 1 month

Paris, France

2015 **Research stay at Centre d'Etudis Demogràfics (CED)**, Funding: 1,740 Euro; 15 days

Barcelona, Spain

Scholarships and Fellowships

2013-2014 **Fellowship to attend the European Doctoral School of Demography**, 11,500 Euro

2013-2017 **Scholarship to attend the PhD Program in Demography**, 26,000 Euro

2010-2012 **Scholarship to attend the M.A. Program in Demography**, 9,500 Euro

Awards

- 2019 **REVES Poster Prize**, Winner of poster prize at the Annual Meeting of the International network on health expectancies and the disablement process (with Acosta, Gagnon, Ouellette, Bourbeau, van Raalte)
- 2018 **PAA Poster Prize**, Winner of the poster prize at the Annual Meeting of the Population Association of America (with Turra)

Invited Lectures/Talks

- 2024 **Institut National d'Etudes Démographiques (INED)**, Invited Speaker *Paris, France*
- 2023 **New York University Abu Dhabi**, Invited Speaker *Abu Dhabi, UAE*
- 2023 **Annual Meeting of the Population Association of America (PAA)**, Discussant *New Orleans, USA*
- 2022 **XXII Meeting of the Brazilian Population Association (ABEP)**, Presenter in a Round Table Session *Virtual*
- 2021 **Annual Meeting of the Population Association of America (PAA)**, Discussant *Virtual*
- 2021 **Fiocruz, School of Public Health, Rio de Janeiro, Brazil**, Guest Lecturer *Virtual*
- 2020 **National School of Statistics (ENCE/IBGE), Rio de Janeiro, Brazil**, Invited Speaker *Virtual*
- 2020 **Florida State University, Tallahassee, USA**, Invited Speaker *Virtual*
- 2020 **1st German-Brazilian Nursing Symposium (Canceled due to COVID-19)**, Invited Speaker *Osnabrück*
- 2020 **5th Hamburg Symposium on Regional Health Care (Canceled due to COVID-19)**, Invited Speaker *Hamburg*
- 2019 **5th Human Mortality Database Symposium**, Invited Speaker *Berlin*

Media Interviews

- 2020 **BBC Brasil**, Science will take 'years' to understand Covid-19 risk dynamics. [Web Link](#)
- 2020 **Nature Medicine**, Low- and middle-income countries face up to COVID-19. [Web Link](#)

SUPERVISION OF STUDENTS

CO-SUPERVISOR

- 2024–Now **Tatiana Arteaga**, Federal University of Minas Gerais, Department of Demography, Brazil *PhD Student*
- 2023–Now **Taís Azevedo de Lima**, Brazilian National School of Statistical Sciences (ENCE/IBGE), Brazil *Master Student*
- 2023–Now **Isabella Marinetti**, Max Planck Institute for Demographic Research, Germany *PhD Student*
- 2022–Now **Tamara Vaz de Moraes Santos**, Federal University of Minas Gerais, Department of Demography, Brazil *Master Student*
- 2019–2023 **Larissa Gonçalves Souza**, Federal University of Minas Gerais, Department of Demography, Brazil *PhD Student*

Mentoring Postdocs

- 2023–Now **Dr. Raphael Villela Almeida**, Brazilian National School of Statistics (ENCE/IBGE). Dr. Almeida's postdoc is fully funded by the DAAD/CAPES grant for which I am the Principal Investigator.
- 2023–Now **Dr. Mauricio Molina**, I am designated supervisor and mentor for a Georg Forster Fellowship, pending the decision by the funder Alexander von Humboldt Foundation

Teaching

2024	Population Projections , European Doctoral School of Demography, INED, Paris	1 Week
2021	Demographic Methods for Population Research , Fiocruz, School of Public Health, Rio de Janeiro, Brazil	1 Week
2018	Life Table and Decomposition Analysis for Population Health Research (using R) , Max Planck Institute for Demographic Research	2 Weeks
2016–2019	Introduction to Biostatistics , Medical Sciences Faculty of Minas Gerais, Brazil	4x 12 hours
2016–2018	Actuarial Risk Management , Medical Sciences Faculty of Minas Gerais, Brazil	3x 12 hours
2016–2017	Introduction to Biostatistics , Centro Universitário Una, Brazil	4x 12 hours
2013–2014	Introduction to Biostatistics , Federal University of Minas Gerais, Department of Statistics, Brazil	2x 60 hours
2014	Introduction to Actuarial Science , Federal University of Minas Gerais, Department of Statistics, Brazil	60 hours
2014	Legislation of Pension Funding , Federal University of Minas Gerais, Department of Statistics, Brazil	60 hours
2013	Fundamental of Actuarial Practice , Federal University of Minas Gerais, Department of Statistics, Brazil	60 hours
2011–2012	Introduction to Demographic Methods , Federal University of Minas Gerais, Department of Demography	2x 30 hours
2012	Population Analysis , Federal University of Minas Gerais, Department of Demography, Brazil	30 hours

Presentations at International Conferences or Workshops

I have presented my work at the following large peer-reviewed conferences: Population Association of America Annual Meeting (annually); European Population Conference (biennially); Congress of the Latin American Population Association (biennially); Congress of the Brazilian Population Association (biennially); and International Population Conference (every 4 years). Additionally, I have presented my work at smaller national or network conferences: The REVES Network Meeting on Health Expectancies; The Human Mortality Database Symposium, the MultiCause Workshop; the Supercentenarian Workshop; as well as some smaller thematic workshops.

Professional Activities

EDITORIAL BOARDS

Associate Editor , European Journal of Population, Open Access [OA]	2023–Present
Associate Editor , Reports in Public Health (Cadernos de Saude Publica), OA	2023–Present

REVIEWING ACTIVITIES

Journal peer-review, Proceedings of the National Academy of Science of the United States of America; BMJ Open [OA]; Population and Development Review; Demography [OA]; Demographic Research [OA]; Population Studies; International Journal of Epidemiology; GENUS [OA]; International Journal of Public Health [OA]; Population-*E* [OA]; REBEP - Revista Brasileira de Estudos de População [OA]; Population and Health Metrics [OA]; PlosOne [OA]; Cadernos de Saúde Pública (Reports in Public Health)[OA]

CONFERENCE ACTIVITIES

Session Reviewer, Congress of the Latin American Population Association (Alap). International Population Conference organized by the International Union for the Scientific Study of Population (IUSSP)
Session Chair/Discussant, Population Association of America (PAA), European Population Conference (EPC)

COMMITTEE JURY MEMBER

2023	PhD defence of Octavio Bramajo , Universitat Autònoma de Barcelona, Centre d'Estudis Demogràfics
2018	PhD defence of Moisés H. Sandoval González , Federal University of Minas Gerais, Department of Demography
2018	Master's degree defence of Rafaella de Oliveira Carnevali , Federal University of Minas Gerais, Department of Demography

SELECTION COMMITTEE

2023	2 PhD students , DAAD/CAPES Grant which I am the PI, Max Planck Institute for Demographic Research
2023	Postdoctoral Researcher , DAAD/CAPES Grant which I am the PI, Max Planck Institute for Demographic Research
2018	PhD student , Lifespan Inequality Research Group, Max Planck Institute for Demographic Research

JOURNAL ARTICLES

15. van Raalte, A. A.; Basellini, B.; Camarda, C.G.; **Nepomuceno, M.R.**; Myrskylä, M., 2023. “The Dangers of Drawing Cohort Profiles From Period Data: A Research Note”, **Demography**, 60 (6), pp. 1689–1698 [Web Link](#)
Journal Impact Factor: 4.222; Q1 Demography (JCR)
14. Calazans, J.A.; Guimarães, R.; **Nepomuceno, M.R.**, 2023. “Regional inequalities in mortality in Brazil: age and causes of death contributions to changes in life expectancy and lifespan variation between 2008 and 2018”, **Revista Brasileira de Estudos de População**, 40 (2023), pp. 1–23 [Web Link](#)
Journal Impact Factor: 0.335; Q2 Demography (SJR)
13. Turra, C.M.; Fernandes, F.; Calazans, J.; **Nepomuceno, M.R.**, 2023. “Age reporting in the Brazilian COVID-19 vaccination database: What can we learn from it?”, **Demographic Research** 48(28), pp. 829-848, [Web Link](#)
Journal Impact Factor: 2.005; Q3 Demography (JCR)
12. **Nepomuceno, M.R.**; Klimkin, I.; Jdanov, D. A.; Alustiza-Galarza, A.; Shkolnikov, V., 2022. “Sensitivity analysis of excess mortality due to the COVID-19 pandemic”, **Population and Development Review** , 48(2), pp. 279-302, [Web Link](#)
Journal Top Cited Article between January 2021 and December 2022
Journal Impact Factor: 10.515; Q1 Demography and Q1 Sociology (JCR)
11. Shkolnikov, V.; Klimkin, I.; McKee, M.; Jdanov, D. A.; Alustiza-Galarza, A.; Németh, L.; Timonin, S. A.; **Nepomuceno, M.R.**; Andreev, E.M.; Leon, D.A., 2022. “What should be the baseline when calculating excess mortality? New approaches suggest that we have underestimated the impact of the COVID-19 pandemic and previous winter peaks”, **Social Science and Medicine- Population Health** , 18 (101118), pp.1-13, [Web Link](#)
Journal Impact Factor: 5.379; Q1 Social Sciences, Biomedical (JCR)
10. **Nepomuceno, M.R.**; Cui, Qi; van Raalte, A. A.; Aburto, J.M.; Canudas-Romo, V., 2022. “The Cross-sectional average inequality in lifespan (CAL[†]): A lifespan variation measure that reflects the mortality histories of cohorts”, **Demography**, 59 (1), pp. 187–206, [Web Link](#)
Journal Impact Factor: 4.222; Q1 Demography (JCR)
9. Vieira, C.C.; Alburez-Gutierrez, D.; **Nepomuceno, M.R.**; Thiele, T. , 2022. “Desaparecidos: characterizing the population of missing children using Twitter”, **Proceedings of WebSci’22: 14th ACM Web Science Conference 2022**, pp.185–190, [Web Link](#)
8. **Nepomuceno, M.R.**; di Lego, V.; Turra, C.M., 2021.“Gender Disparities in Health at Older Ages and their Consequences for Well-Being in Latin America and the Caribbean.”, **The Vienna Yearbook of Population Research**, 19, pp. 191-214, [Web Link](#)
Journal Impact Factor: 0.317; Q2 Demography (SJR)
7. Riffe, T.; Acosta, E.; **Nepomuceno, M.R.**; the COVerAge-DB team., 2021. “COVerAge-DB: a global demographic database of COVID-19 cases and deaths.”, **International Journal of Epidemiology**, pp. 390–390f, [Web Link](#)
Journal Impact Factor: 9.685; Q1 Public, Environmental Occupational Health (JCR)
6. **Nepomuceno, M.R.**; Acosta, E.; Alburez-Gutierrez, D.; Aburto, J.M.; Gagnon, A.; and Turra, C.M., 2020. “Besides population age-structure, health and other demographic factors can contribute to understanding the COVID-19 burden”, **Proceedings of the National Academy of Sciences of the United States of America**, 117(25), pp. 13881–13883, [Web Link](#)
Journal Impact Factor: 12.779; Q1 Multidisciplinary Sciences (JCR)
5. **Nepomuceno, M.R.**; Turra, C.M., 2020. “The population of centenarians in Brazil: historical estimates from 1900 to 2000”, **Population and Development Review**, 46(4), pp. 813-833, [Web Link](#)
Journal Top Cited Article between January 2020 and December 2021
Journal Impact Factor: 10.515; Q1 Demography and Q1 Sociology (JCR)
4. **Nepomuceno, M.R.**; Turra, C.M., 2020. “Assessing the quality of education reporting in Brazilian censuses.” **Demographic Research**, 42(15), pp.441–460, [Web Link](#)
Journal Impact Factor: 2.005; Q3 Demography (JCR)
3. Borges, G.M.; **Nepomuceno, M.R.**, 2020. “The contribution of demography to mortality studies in pandemic times”, **Revista Brasileira de Estudos de População**, 37(e0124), pp. 1-9, [Web Link](#)
Journal Impact Factor: 0.335; Q2 Demography (SJR)
2. **Nepomuceno, M.R.**; Canudas-Romo, V. A., 2019. “Cohort Survival Comparison between Central- Eastern European and High-Longevity countries: The TCAL Approach”, **Population (English version)**, 74(3), pp.281–302, [Web Link](#)
Journal Impact Factor: 3.806; Q2 Demography (JCR)
1. **Nepomuceno, M.R.**;Turra, C.M., 2015. “Trends in healthy life expectancy among older Brazilian women, between 1998 and 2008”, **Revista de Saúde Pública**, 49(1), pp.1-8, [Web Link](#)
Journal Impact Factor: 2.772; Q3 Public, Environmental Occupational Health (JCR)

BOOK AND ENCYCLOPEDIA CHAPTERS

2. van Raalte A.A.; **Nepomuceno, M.R.**, 2020. “Decomposing gaps in healthy life expectancy”, in *International Handbook on Healthy Life Expectancy*, Eds.: Jagger, C., Crimmins, E.M., Saito, Y., De Carvalho Yokota, R.T., Van Oyen, H., Robine, JM., Springer, Cham, pp. 107-122, [Web Link](#)
1. Riffe, T.; **Nepomuceno, M.R.**; Basellini, U.,2020. “Mortality Modeling”, in *Encyclopedia of Gerontology and Population Aging*, Section Ed.: P. Gerland, Springer, Cham, pp. 1-11, [Web Link](#)

WORKING PAPERS, PREPRINTS, TECHNICAL REPORTS AND OTHERS

2. **Nepomuceno, M.R.**, 2020. “Vulnerable groups at increased risk of COVID-19 in sub-Saharan Africa: The case of the HIV population”, *OSF preprint*, [Web Link](#)
1. Acosta, E.; Gagnon, A.; Ouellette, N.; Bourbeau, R. R.; **Nepomuceno, M.R.**;van Raalte, A. A., 2020. The boomer penalty: excess mortality among baby boomers in Canada and the United States , *MPIDR Working Paper*, [Web Link](#)

SCIENTIFIC OUTREACH

3. Guimarães, R.; **Nepomuceno, M.R.**, 2020. “The relevance of testing population to tackle the COVID-19 pandemic” [A importância de testar a população para enfrentar a Covid-19], *O Nexo, Brazil*, [Web Link](#)
2. Alburez-Gutierrez, D.; Aburto, J.M.; **Nepomuceno, M.R.**, 2020. “Coronavirus: a warning to Latin America and the Caribbean to dramatically increase COVID-19 testing“, *The Conversation, The UK*, [Web Link](#)
1. Alburez-Gutierrez, D.; Aburto, J.M.; **Nepomuceno, M.R.**, 2020. “Coronavirus: América Latina y el Caribe deben aumentar de forma drástica las pruebas de COVID-19“, *The Conversation, Spain*, [Web Link](#)