



## CURRICULUM VITAE

### Personal Information

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### Academic Background

Bachelor's Degree in Economics

Federal University of Minas Gerais (UFMG)

Year of completion: 2003

PhD in Demography

Center for Regional Development and Planning (Cedeplar), UFMG

Department of Demography

Year of completion: 2009

Postdoctoral Fellowship in Sanitation and Public Policies

Department of Sanitary and Environmental Engineering, UFMG

Year of completion: 2011

### Professional Experience

International Organizations

United Nations Population Fund (UNFPA)

2008 – Independent consultant. Development of interconnected activities for the analysis of migration and cross-border circularity of Brazilians at the borders of Brazil and Paraguay. Structuring of qualitative instruments, collection, and processing of primary data.

International Labour Organization (ILO)

2023 – Scholarship Holder. Development of interconnected activities for the analysis of the coffee production chain in the state of Minas Gerais, Brazil. Literature review on the coffee production chain, covering labor relations, market system analysis, and the development of a stakeholder matrix. Construction and organization of a socio-economic database, structuring of qualitative instruments, coordination, collection, and analysis of primary data on labor relations in the coffee production chain.

Pan American Health Organization (PAHO)

2024 – Independent Consultant. Improvement and evaluation of the methodology for calculating population estimates for Brazil's 5,570 municipalities, disaggregated by sex and age, for the period from 2000 to 2024. Validation of the estimation results.

Public Institutions

Cedeplar/UFMG

2006 – Scholarship Holder. Conducting focus groups and conducting in-depth interviews for the project 'National Project on Diversity in Schools: Qualitative Module in the Central-West region of Brazil.

Department of Sanitary and Environmental Engineering/UFMG

2013 - Independent Consultant. Evaluation of parliamentary amendments proposed to the National Basic Sanitation Plan (PLANSAB). Structuring and assessment of the economic and financial components of PLANSAB.

University of Brasília (UnB)

2014 – Scholarship Holder. Structuring the Municipal Information System on Basic Sanitation (SIMISAB), which includes information on municipal basic sanitation policies, municipal plans, regulation and surveillance activities, service provision, social control, and rural sanitation.

João Pinheiro Foundation (FJP)

Currently - Researcher in Applied Sciences and Public Policies. The researcher is a tenured public servant at the FJP, holding the position of Researcher in Applied Sciences and Public Policies in the Directorate of Statistics and Information (DIREI) since 2015. The João Pinheiro Foundation is the official research institution of the state of Minas Gerais, Brazil.

Between 2012 and 2014, she worked at the institution as a contracted employee in the State of Minas Gerais Sanitation Information System (SEIS), which consisted of a primary survey in all municipalities of the state to collect information on basic sanitation services. The researcher was responsible for developing primary data collection instruments, overseeing field research, organizing the database, and analyzing the results.

Since 2015, the researcher has been part of the research group for the Municipal Human Development Atlas as a demographer responsible for calculating the longevity estimates for the index and as a permanent member of the research group, participating in the entire process of discussion, creation, and calculation of indicators. In 2017, she became responsible for the municipal population estimates and projections for Minas Gerais. In 2019, she was appointed coordinator of the Demography Unit, which included the areas of labor market and demography (fertility, mortality, and migration) within the FJP, a position she held until 2022.

Currently, the researcher remains the coordinator of the municipal population projections for Minas Gerais and is a member of two major research projects approved by the Minas Gerais Research Support Foundation (FAPEMIG). These projects are: "Building Capacities and Expanding Research Frontiers at FJP" and "Supporting the Internationalization of the João Pinheiro Foundation: Expanding Frontiers and Theoretical and Practical Knowledge."

Throughout her professional career within and outside the João Pinheiro Foundation, the researcher has worked on applying and developing methodologies for calculating and creating socioeconomic and demographic indicators, managing large national databases, discussing synthetic indices, and analyzing data. She has authored articles, research reports, discussion papers, and technical notes. Additionally, she has taught undergraduate courses in Public Administration (CSAP) and specialization courses, both at the FJP, and participated in national and international seminars and conferences.

#### Lectures and Work Presentations

1. MARQUES, D. H. F.; SOUZA, I. A. T.; DAMASCENO, M. Filling gaps: a methodological proposal to estimate life expectancy at birth in the regions of Minas Gerais, Brazil. Paper presented at EAPS Health, Morbidity, and Mortality Working Group: Work, Love, and Death – Bizkaia Aretoa, Bilbao/Spain, 2024.
2. MARQUES, D. H. F.; SOUZA, I. A. T.; ARTEAGA, T. C. E. S.; SILVA, V. A. Life expectancies at birth for the municipalities of Minas Gerais in 2010: a proposal for applying the TOPALS method adjusted by indirect standardization. Paper presented at Workshop Pro Dados – IBGE, Rio de Janeiro/Brazil, 2023.
3. MARQUES, D. H. F.; NOGUEIRA, O. J. O. COVID-19 and demography: some reflections. Lecture at Internal Seminar of the João Pinheiro Foundation – Belo Horizonte/Brazil, 2021.
4. MARQUES, D. H. F.; NOGUEIRA, O. J. O. Demography in the Intermediate Geographic Regions of Minas Gerais. Lecture at Internal Seminar of the João Pinheiro Foundation - Belo Horizonte/Brazil, 2022.
5. NOGUEIRA, O. J. O.; MARQUES, D. H. F. Webinar 2020: The Pandemic scenario and its impacts on the demographic dynamics of Minas Gerais. Lecture at Internal Seminar of the João Pinheiro Foundation - Belo Horizonte/Brazil, 2022.
6. MARQUES, D. H. F. Comparative analysis of mortality databases in Brazil in the context of the COVID-19 pandemic. Lecture to Governor and his Secretariat - Belo Horizonte/Brazil, 2021.
7. MARQUES, D. H. F. Population projections for Minas Gerais and Development Territories 2010-2060. Lecture at Internal Seminar of the João Pinheiro Foundation - Belo Horizonte/Brazil, 2018.
8. MARQUES, D. H. F. Population growth statistics for Betim vs. RMBH vs. Minas Gerais for the next decade and the Municipal Human Development Index (IDHM) of Betim. Lecture at Seminar at the Betim City Council/MG - Betim/Brazil, 2018.

9. MARQUES, D. H. F. Human Development Beyond Averages. Lecture. Launch of the HDI Beyond Averages. Paper presented at Institute for Applied Economic Research, Brasília/Brazil, 2018.
10. CARDOSO, L. S. M.; MARQUES, D. H. F.; CARLOS, A. A. G. Municipal Basic Sanitation Information System (SIMISAB): a tool to support municipal sanitation management. Paper presented at XIX Exhibition of Municipal Experiences in Sanitation – Caxambú/Brazil, 2015.
11. MARQUES, D. H. F.; REZAEI, S. Returnees, knowledge spillovers and the family's role in international migration - The case of Brazilian families returned from Paraguay. Paper presented at XVIII ISA World Congress of Sociology – Hokohama/Japan, 2014.
12. MARQUES, D. H. F. The rapid aging process of Brazilian population: challenges for public policies. Lecture at Sapienza University – Rome/Italy, 2013.
13. MARQUES, D. H. F.; REZENDE, S. How are the life of Latin American immigrants in Brazilian cities: one approach of the water supply and sanitation conditions in the beginning of XXI Century. Paper presented at Annual RC21 Conference – Amsterdam/Netherlands, 2011.
14. MARQUES, D. H. F.; FAZITO, D.; RODRIGUES, R.N.; SOARES, W. Brasiguai identity in the making: how spatial, institutional and social interactions impact on the transnational communities across the borders of Brazil and Paraguay. Paper presented at XXVI IUSSP International Population Conference - Marrakech/Morocco, 2009.
15. GUEDES, G. R.; MARQUES, D. H. F. Migration and labor market in Portugal: a comparative analysis between brazilians and portuguese-speaking Africans. Paper presented at XVI National Meeting on Population Studies - Caxambú/Brazil, 2008.

#### Articles Published in Journals

1. MARQUES, D. H. F.; SOUZA, I. T.; ARTEAGA, T. C. e. S.; SILVA, V. A. Estimation models of mortality and life expectancy for small municipalities in Minas Gerais: a two-step Approach. *Notas de Población* (Printed), 2024. Available at: <https://www.cepal.org/pt-br/taxonomy/term/8147/64703>
2. MARQUES, D. H. F.; DAMASCENO, M.; SOUZA, N. R. M. A Proposal for constructing the unemployment rate in Minas Gerais in the early 21st century based on household surveys.. *Revista Brasileira de Economia* (Printed), v. 78 n. 3, 2024. Available at: <https://periodicos.fgv.br/rbe>
3. MARQUES, D. H. F.; SILVA, V. A.; GONÇALVES, C.; SOUZA, I.T. Methods for calculating life expectancy at birth for small areas: a systematic review. *Revista Latinoamericana de Población*, 2024. (*In press*).
4. MARQUES, D. H. F.; SIMAO, A. B.; SOUZA, L. M. Data Quality of births in the state of Minas Gerais and its mesoregions: a comparative analysis. *Caminhos de Geografia*, v. 20, n.72 p. 107-117, 2019. Available at: <https://seer.ufu.br/index.php/caminhosdegeografia/article/view/42563>

5. MARQUES, D. H. F.; CARVALHO, J. A. M. Review of fertility levels estimated using the P/F Brass technique in Brazil and its macrorregions, 1980, 1991, and 2000. *Notas de Población* (Printed), v. 45, n.107, p. 193-206, 2018. Available at: <https://www.cepal.org/es/publicaciones/44383-revision-niveles-fecundidad-estimados-mediante-la-tecnica-pf-brass-brasil-sus>
6. MARQUES, D. H. F. Municipal Human Development Index and its new possibilities for analysis. *Boletim Estatísticas Públicas*, v. 13, p. 79-82, 2017.
7. REZAEI, S.; MARQUES, D. H. F. The role of family network in circular migration and formation of transnational communities - a Brazilian case study. *International Journal of Business and Globalisation*, v. 16, n. 3 p. 284-304, 2016. Available at: <https://www.inderscienceonline.com/doi/abs/10.1504/IJBG.2016.075721>
8. MARQUES, D. H. F.; RODRIGUES, R.N.; FAZITO, D.; SOARES, W. The circularity of brasiguayos in the borders of Paraguay and Brazil. *Estudios Sociológicos*, v. XXXI, n. 93, p. 865-898, 2013. Available at: <https://estudiossociologicos.colmex.mx/index.php/es/article/view/110>
9. CACIARI T.; et al. Exposure to asbestos and lung cancer: a case report. *Prevention & Research*, v. 2, n. 3, p. 120-125, 2013. Available at: [https://www.academia.edu/91488074/Exposure\\_to\\_asbestos\\_and\\_lung\\_cancer\\_a\\_case\\_report?uc-g-sw=36982828](https://www.academia.edu/91488074/Exposure_to_asbestos_and_lung_cancer_a_case_report?uc-g-sw=36982828)
10. MARQUES, D. H. F.; RODRIGUES, R.N.; FAZITO, D.; SOARES, W. The border between Paraguay and Brazil and the importance of territory, institutions, and society in the formation of brasiguaya identity.. *Notas de Población* (Impresa), n. 94, p. 67-92, 2012. Available at: <https://repositorio.cepal.org/server/api/core/bitstreams/e5439a65-19c9-4606-b8de-4e20ed7d10a5/content>
11. SIQUEIRA, V.; MARQUES, D. H. F. Management and disposal of electronic waste in Belo Horizonte: some considerations. *Caminhos de Geografia*, v. 13, n. 43, p. 174-187, 2012. Available at: <https://seer.ufu.br/index.php/caminhosdegeografia/article/view/16704>
12. SOARES, W.; MARQUES, D. H. F.; FARIA, S. D.; FAZITO, D. Italians in Brazil: historical synthesis and territorial preferences. *Fronteiras Revista de História*, v. 13, n. 23, p. 171-179, 2011. Available at: <https://ojs.ufgd.edu.br/FRONTEIRAS/article/view/1423>
13. MARQUES, D. H. F.; MAXIMO, G. C. The human capital theory and its implications on wage differences between Brazilian return migrants from the United States and those returning from Paraguay: application of counterfactual microsimulation. *Notas de Población* (Impresa), v. XXXVII, n. 93, p. 107-134, 2011. Available at: <https://repositorio.cepal.org/entities/publication/5a0ac64b-a39b-4f01-94fd-a9a98495247c>
14. GOLGHER, A. B.; MARQUES, D. H. F. Regional socioeconomic diversity of internal migration flows in Brazil. *Economía, Sociedad y Territorio*, v. IX, n. 31, p. 681-721, 2009. Available at: <https://est.cmq.edu.mx/index.php/est/issue/view/14>

15. BRAGA, T. M.; BRITO, F. R. A.; FREITAS, A. P. G.; MARQUES, D. H. F. Sustainability and living conditions in urban areas: measures and determinants in two Brazilian metropolitan regions.. EURE (Impresa), v. XXXII, n. 96, p. 47-71, 2006. Available at: [https://www.scielo.cl/scielo.php?script=sci\\_issuetoc&pid=0250-716120060002&lng=es&nrm=iso](https://www.scielo.cl/scielo.php?script=sci_issuetoc&pid=0250-716120060002&lng=es&nrm=iso)

#### Book Chapters Published

1. MARQUES, D. H. F; MAXIMO, G. C. Losses in Life Expectancy at Birth from 2020: The Impact of COVID-19 on the Structure of Mortality by Sex and Age in Brazil. In: SKIADAS, C. H.; SKIADAS, C. (Org.). Quantitative Methods in Demography. Methods and Related Applications in the Covid-19 Era. 1ed.Cham: Springer, 2022, p. 47-61.

2. REZAEI, S.; MARQUES, D. H. F. Female Entrepreneurship in Latin America and the Key Role of Informal Institutions in the Reproduction of Gender Asymmetries. In: REZAEI, S.; LI, J.; ASHOURIZADEH, S.; RAMADANI, V.; GE"RGURI-RASHITI, S. (Org.). The Emerald Handbook of Women and Entrepreneurship in Developing Economies. 1ed.Bradford: Emerald Publishing Limited, 2021, p. 73-90.

3. MARQUES, D. H. F; SOUZA, N. R. M.; REZAEI, S. Female Entrepreneurship à Brasileira: Entrepreneurship by choice or entrepreneurship by force? In: REZAEI, S.; LI, J.; ASHOURIZADEH, S.; RAMADANI, V.; GE"RGURI-RASHITI, S. (Org.). The Emerald Handbook of Women and Entrepreneurship in Developing Economies. 1ed.Bradford: Emerald Publishing Limited, 2021, p. 191-212.

4. MARQUES, D. H. F.; SOUZA, N. R. M. Gender division of labor and economic autonomy of women in the state of Minas Gerais and in Brazil. In: FUSCO, W.; MYRRHA, L. J. D.; JESUS, J. C. de. (Org.). Migration, Work, and Gender: Selected Texts. 1ed. Belo Horizonte: ASSOCIAÇÃO BRASILEIRA DE ESTUDOS POPULACIONAIS, 2021, p. 207-219.

5. MARQUES, D. H. F.; NOGUEIRA, O. J. O. Investigation of deaths in Brazil in the context of the Covid-19 pandemic: an exploratory study. Population and Development in Debate: Multidimensional Impacts of the Covid-19 Pandemic in Brazil. 1ed. Campinas: ASSOCIAÇÃO BRASILEIRA DE ESTUDOS POPULACIONAIS, 2021, p. 192-200.

6. MARQUES, D. H. F.; FERREIRA, F. P. M. The depopulation phenomenon in Minas Gerais and its relationship with population aging and social vulnerability In: GUIMARÃES, A. Q. (Org.). Public Policies and Development in Minas Gerais. 1ed. Belo Horizonte: Appris, 2021, p. 19-418.

7. CAMPOS, M.; MARQUES, D. H. F. International migrations of indigenous people in border areas: contributions to the study of the phenomenon in Brazil. In: BAENINGER, R.; CANALES, A. (Org.). Border Migrations. 1ed. Campinas: Nepo/Unicamp, 2018, p. 414-426.

8. SOARES, W.; FAZITO, D.; MARQUES, D. H. F. Aspetti socio-demografici delle migrazioni. In: ZANIN, V.; MATTOAZZI, G. (Org.). Migrazione, lavoro, impresa: tra America Latina ed Europa. Torino: L'Harmattan Italia, 2011, p. 179-197.

9. REZENDE, S.; PEIXOTO, J. B.; MOURA, M. PRISCILA; MARQUES, D. H. F. Identification of historical sources of basic sanitation investments: assessment of continuity and regularity of resources.. In: REZENDE, S. (Org.). Overview of Basic Sanitation in Brazil - Investments in Basic Sanitation: Historical Analysis and Estimation of Needs. Brasília: Ministério das Cidades, 2011, v. 1, p. -.

10. REZENDE, S.; MARQUES, D. H. F. Evolution and Perspective of Water Supply and Sanitation in Brazil. In: MORAIS, M. P.; COSTA, M. A. (Org.). Social and Urban Infrastructure in Brazil: Contributions to a Research Agenda and Public Policy Formulation. 1ed. Brasília: IPEA, 2010, v. 2, p. 423-468.

#### Full Papers Published in Conference Proceedings

1. MARQUES, D.H.F.; ARTEAGA, T. C. S., SOUZA, I.; SILVA, V. Application of bayesian and log-quadratic models as an alternative for calculating life expectancies at birth in regions with data deficiencies. In: XI Congress of the Latin American Population Association (ALAP), 2024, Bogotá/Colombia. Proceedings of the 11st Congress of the Latin American Population Association, 2024.

2. SOUZA, N. R. M.; MARQUES, D. H. F. The precarization of youth employment in Minas Gerais: a comparative analysis from the perspective of cohorts and gender in the last 30 years. In: 45th National Meeting of ANPOCS, 2021, online. Proceedings of the 45th National Meeting of ANPOCS, 2021.

3. MARQUES, D. H. F. Migration of elderly people to Minas Gerais: detection of migratory clusters for interstate immigrants with fixed data, in the Year 2010. In: XXI National Meeting of Population Studies, 2018, Poços de Caldas/Brazil. Proceedings of the 21th National Meeting of Population Studies, 2018.

4. MARQUES, D. H. F. Minas Gerais in the new context of migrations in Brazil: a reflection on intra- and interstate population exchanges in the 2005/2010 five-year period. In: XXI National Meeting of Population Studies, 2018, Poços de Caldas/Brazil. Proceedings of the 21th National Meeting of Population Studies, 2018.

5. MARQUES, D. H. F.; CARDOSO, L. S. M.; SILVA, B. M. M. N.; SOUZA, L. M. State Sanitation Information System (Seis): the experience of Minas Gerais. In: 45th National Assembly of ASSEMAE, 2015, Poços de Caldas/Brazil. Proceedings of the 45th National Assembly of ASSEMAE, 2015.

6. MARQUES, D. H. F.; REZENDE, S. How is the life of latin american immigrants in Brazilian cities: an approach to water supply and sanitation conditions in the early 21st century. In: Annual RC21 Conference, 2011, Amsterdam/Netherlands. Proceedings of the Annual RC21 Conference, 2011.

7. MARQUES, D. H. F.; FAZITO, D.; RODRIGUES, R. N.; SOARES, W. Brasiguai: identity in the making: how spatial, institutional, and social interactions impact transnational communities across the borders of Brazil and Paraguay. In: XXVI IUSSP - International Population

Conference, 2009, Marrakech/Morocco. Proceedings of the 26th IUSSP - International Population Conference, 2009.

8. GUEDES, G. R.; MARQUES, D. H. F. Migration and labor market in Portugal: a comparative analysis between Brazilians and Lusophone Africans. In: XVI National Meeting of Population Studies, 2008, Caxambú/Brazil. Proceedings of the 16th National Meeting of Population Studies, 2008.

9. MARQUES, D. H. F.; MAXIMO, G. C. Wage differences between the so-called brasiguaios and Brazilian emigrants returning from the United States: an application of counterfactual microsimulation. In: European Population Conference, 2008, Barcelona/Spain. Proceedings of the European Population Conference, 2008.

10. MARQUES, D. H. F.; GOLGHER, A. B. Migration diversity in Brazil: where are the poor people? In: V National Meeting on Migrations, 2007, Campinas/Brazil. Proceedings of the 5th National Meeting on Migration, 2007.

11. BRITO, F. R. A.; MARQUES, D. H. F. Large metropolises and internal migrations: an essay on their recent significance. In: IV National Meeting on Migrations, 2005, Rio de Janeiro/Brazil. Proceedings of the 4th National Meeting on Migrations, 2005.

12. BRAGA, T. M.; BRITO, F. R. A.; FREITAS, A. P. G.; MARQUES, D. H. F. Sustainability and living conditions in urban areas. In: XIV National Meeting of Population Studies, 2004, Caxambu/Brazil. Proceedings of the 14th National Meeting of Population Studies, 2004.

#### Extended abstracts published in conference proceedings

1. DAMASCENO, M.; SOUZA, I.A.T.; MARQUES, D.H.F. Challenges in mortality evaluation in Minas Gerais: investigation of error patterns in age declaration by Intermediate Geographic Region. In: XX Seminar on Minas Gerais Economy, 2024, Diamantina/Brazil. Proceedings of the 20th Seminar on Minas Gerais Economy, 2024.

2. MARQUES, D.H.F.; ARTEAGA, T.C.S.; SOUZA, I.A.T.; SILVA, V. A. Minas Gerais population in 2019, 2020, and 2021: A proposal for cohort reconstruction based on the 2022 Demographic Census. In: XXIII National Meeting on Population Studies, 2024, Brasília/Brazil. Proceedings of the 23rd National Meeting on Population Studies, 2024.

3. MARQUES, D. H. F.; SOUZA, L. R. Emigrants and immigrants from Belo Horizonte in relation to the rest of the RMBH: an application of the method. In: XV National Meeting on Population Studies, 2006, Caxambu/Brazil. Proceedings of the 15th National Meeting on Population Studies, 2006.

4. GOLGHER, A. B.; MARQUES, D. H. F. Urban/urban, rural/urban, urban/rural, and rural/rural migration in Brazil: Searching for patterns and differences. In: XV National Meeting on Population Studies, 2006, Caxambu/Brazil. Proceedings of the 15th National Meeting on Population Studies, 2006.



Foreign Language

English

Understands Well, Speaks Well, Reads Well, Writes Well.

Spanish

Understands Reasonably, Speaks Little, Reads Well, Writes Little.