

José Henrique Costa Monteiro da Silva

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Born: January 13, 1993—Brasilia, Brazil

Nationality: Brazilian

Current Position

Researcher

[International Policy Centre for Inclusive Growth](#)
United Nations Development Programme

Areas of Specialization

Quantitative Methods for Demography • Fertility • Mortality • Data Manipulation

Education

- 2019 **MSc** in Demography, Institute of Philosophy and the Humanities, University of Campinas. Thesis: *Fertility and educational pairing in Brazil : a Cohort analysis*. Supervisor: Everton E. C. Lima. Co-Supervisor: Maria Coleta F. A. de Oliveira.
- 2016 **BSc** in Electrical Engineering, Faculty of Electrical and Computer Engineering, University of Campinas. Undergraduate Thesis: *Modelling the corn transportation logistics in Brazil as a minimum-cost flow problem*. Supervisor: Akebo Yamakami.
- 2015 Exchange Student at The University of Melbourne, Australia. Sponsored by CNPq (Brazilian National Council for Scientific and Technological Development).
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Courses and Workshops

- 2019 Survival Analysis (60h). Professor: Eduardo Nakano. Department of Statistics, Institute of Exact Sciences, University of Brasilia. Brasilia, Brazil.

- 2017 Methods for Sub-national Population Projections (30h). Professor: Dr. Marcos R. Gonzaga. São Paulo School of Advanced Science on Research Methods for the Humanities - FAPESP (São Paulo Research Foundation) - University of Campinas. Campinas, Brazil.
- 2017 Event History Analysis (30h). Professor: Dr. Benoit Laplante. São Paulo School of Advanced Science on Research Methods for the Humanities - FAPESP (São Paulo Research Foundation) - University of Campinas. Campinas, Brazil.
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Professional and Research Experience

- 2018- **Researcher** at the International Policy Centre for Inclusive Growth - UNDP, Brasilia – DF, Brazil. Activities: quantitative analysis of survey data (data manipulation and visualization, construction of indicators, statistical inference, impact evaluation) and elaboration of technical reports for projects targeting vulnerable populations of developing countries.
- 2017-2019 **Researcher - Master Student (full time)** at Department of Demography of the Institute of Philosophy and the Humanities of the University of Campinas. Activities: demographic research and teaching assistance. Funded: CNPq (Brazilian National Council for Scientific and Technological Development).
- 2014 **Electrical Engineering Intern** at “CPFL Energia”, Campinas – São Paulo, Brazil. Activities: analysis of data from smart meters with remote monitoring and billing within the Smart Metering Center.
- 2013-2014 **Academic Research Internship** at the School of Electrical and Computing Engineering of the University of Campinas. Project: Analysis of the behavior of the domestic load curve of Brazilian Electric System by applying seasonal hour tariffs; implemented in MATLAB. Supervisor: Luiz Carlos Pereira da Silva – Department of System and Energy, Faculty of Electrical and Computing Engineering, University of Campinas. Funded: CNPq (Brazilian National Council for Scientific and Technological Development).
- 2012-2013 **Academic Research Internship** at the Institute of Mathematics, Statistics and Computing Science of the University of Campinas. Project: Network optimization with several sources and one sink; implemented in MATLAB. Supervisor: Francisco de Assis Magalhães Gomes – Applied Mathematics Department of Institute of Mathematics, Statistics and Computing, University of Campinas. Funded: FAPESP (São Paulo Research Foundation).
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Publications

Conference Presentations

Oral Presentations

Monteiro da Silva, J. H. C.; Lima, E. E. C.. & Oliveira, M. C. F. A. (2018). *Fertility and educational pairing in Latin America: an analysis through cohort fertility*. Paper presented at the XXI National Meeting of Population Studies, Poços de Caldas, Brazil.

Monteiro da Silva, J. H. C.; Lima, E. E. C.. & Oliveira, M. C. F. A. (2018). *Fertility and educational pairing in Latin America: an analysis through cohort fertility*. Paper presented at the European Population Conference, Brussels, Belgium.

Guimarães, R. M.; Monteiro da Silva, J. H. C.; Arruda, N. M.; Botacini, G. P.; Pereira, A. C. R.; Andrade, P. G. & Alves, L. C. (2018). *Age Transition of Mortality According to Group of Causes in Brazil*. Paper presented at the annual meeting of the Population Association of America, Denver, CO.

Poster Presentations

Monteiro da Silva, J. H. C.; **Lima, E. E. C.**; Oliveira, M. C. F. A. (2018). *Fertility and educational pairing in Latin America: an analysis through cohort fertility*. Poster session presented at the annual meeting of the Population Association of America, Denver, CO.

Journal articles

Lima, E. E. C.; **Monteiro da Silva, J. H. C.** & Skirbekk, V. (forthcoming) *Cohort fertility trends and religion affiliation in Latin America: a glimpse through time*. Journal of Religion and Demography.

Carreira, G. B; Dutra, V. G. P.; **Monteiro da Silva, J. H. C.** & Guimarães, R. M. (2019) *Social inequality, human development and fertility pattern in Brazil, 2000-2010*. Revista Brasileira de Saúde Materno Infantil, Recife, 18 (4): 835-850.

Jacques, F. V. L.; **Monteiro da Silva, J. H. C.** & Guimarães, R. M. (2019) *Qualidade da informação da idade nos registros de óbito no Brasil, 1996-2015*. Revista Eletrônica de Comunicação Informação e Inovação em Saúde, Rio de Janeiro, 13 (1): 158-171.

Technical Reports

Sawyer, D. O. ; **Monteiro da Silva, J. H. C.** ; Mazive, E. ; Hoffman, M. ; Gyoeri, M. ; Olsson, S. ; Santos, T. V. M. ; Nogueira, V. V. & Silva, W. J. (2019) *Evaluation of the Coverage and Benefit Incidences of Food Fortification in Mozambique*. International Policy Centre for Inclusive Growth (IPC-IG/UNDP), Brasília, Brazil.

Consulting

Azevedo, M. M. A.; Lima, E. E. C. & **Monteiro da Silva, J. H. C.** (2019) *Maternal mortality estimation for Brazilian indigenous population using 2010 national census information*. United Nations Fund for Population Activities (UNFPA).

Teaching

- 2018 **Graduate Teaching Assistant.** Subject: Demography (Undergraduate course for Bachelor of Statistics). Subject Coordinator: Professor Everton Emanuel Campos de Lima. Department of Demography, Institute of Philosophy and the Humanities, University of Campinas.
- 2017 **Graduate Teaching Assistant.** Subject: Statistics for the Social Sciences. Subject Coordinator: Professor Luciana Alves. Department of Demography, Institute of Philosophy and the Humanities, University of Campinas.
- 2016 **Undergraduate Teaching Assistant.** Subject: Electrical Machines Laboratory. Subject Coordinator: Marcelo Villalva – Faculty of Electrical and Computing Engineering, University of Campinas.
- 2014 **Undergraduate Teaching Assistant.** Subject: Electric Circuits for Mechanical Engineering. Subject Coordinator: Akebo Yamakami – Faculty of Electrical and Computing Engineering, University of Campinas.
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Languages

Brazilian Portuguese: native
English: fluent
Spanish: very good command
Italian: basic communication skills

Technical Skills

Programming Languages: R, MATLAB, C
Text Edition: L^AT_EX, R Markdown, Microsoft Word, Libreoffice
Other: Ubuntu, Linux Mint, Windows OS, Microsoft Excel, Github, Gitlab