Orlando Olaya Bucaro

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Education

Current   June 2022 -
Doctoral Programme in Social Sciences: Demography
University of Vienna
Research council of Norway funded BALANCE project, in collaboration with the
Norwegian University of Science and Technology

Uncompleted   September 2020 - January 2021
Master's Programme in Statistics
Uppsala University
Completed courses in linear algebra and R programming

Master's of Science   2018 - 2020
Multidisciplinary Master's Programme in Demography, 120 ECTS
Stockholm University
Thesis: Exploring relevant features associated with measles non-vaccination using a
machine learning approach
Courses in demography, sociology, statistics, human geography and public health

Bachelor of Social Science   2015 - 2018
Bachelor's Programme in Social Sciences, 180 ECTS
Uppsala University
Thesis: Predicting risk of cyberbullying victimization using lasso regression
Major: Statistics, Minor: Sociology
One semester exchange studies at Sungkyunkwan University, South Korea

**Work
Experience**

First Stage Researcher (R1)   June 2022 -
International Institute for Applied Systems Analysis (IIASA)
- Part of the Migration and Sustainable Development (MIG) research group and
  the Population and Just Societies (POPJUS) research program. Working on
  the Research council of Norway funded BALANCE project

First Stage Researcher (R1)   January 2021 - May 2022
International Institute for Applied Systems Analysis (IIASA)
- Part of the Multidimensional Demographic Modeling (MDM) research group
  and the Population and Just Societies (POPJUS) research program. Work-
  ing on the EU Horizon 2020 funded FUME project developing a international
  population projection model

Research Assistant   March 2020 - December 2020
Institute for Analytical Sociology, Department of Management and
Engineering, Linköping University
- Working in the project Mining for Meaning: The Dynamics of Public Discourse
  on Migration. Main task was manual annotation of text data and data manage-
  ment in R of digitized newspaper material at the National Library of Sweden

Publications

Kluge, L., **Olaya Bucaro, O**. , K.C., S., Yildiz, D. , Abel, G. , Schewe, J. (2024).
A multidimensional global migration model for use in cohort-component population
projections. Demographic Research 51 323-376. 10.4054/DemRes.2024.51.11

Pojman, E., Mwedzi, D.E., **Olaya Bucaro, O**. , Zhang, S., Chong, M., Alexander,

M., Alburez-Gutierrez, D. (2023). *Leaving for life: using online crowd-sourced genealogies to estimate the migrant mortality advantage for the United Kingdom and Ireland during the 18th and 19th centuries.* Max Planck Institute for Demographic Research 10.4054/MPIDR-WP-2023-050

Yildiz, D. , van Wissen, L., **Olaya Bucaro**, O., K.C., S. (2023). *Migration scenarios and their demographic impacts for the EU member states.* Zenodo 10.5281/zenodo.8191587

Computer Skills	*Programming Languages* R, Pyhton, Julia, SQL, Java *Techincal Skills* Git, Docker, Bash *Software* SPSS, STATA, SAS, EViews, QGIS, MS Office

Extra-Curricular Activities

Population and Social Data Science Summer Incubator   June 1 - August 25, 2023
Max Planck Institute for Demographic Research
- The Max Planck Institute for Demographic Research (MPIDR) Population and Social Data Science Summer Incubator Program, a three-month research visit. The goal of the Summer Incubator Program is to enable discovery by bringing together data scientists and population scientists from around the world to work on focused, intensive and collaborative projects of broad societal relevance

Research Training   November 8-12, 2021
Max Planck Institute for Demographic Research
- Research training on topics in digital and computational demography at the International Advanced Studies in Demography Research Training Program and the International Max Planck Research School for Population, Health and Data Science

Workshop   May 24-28, 2021
University of California, Berkeley
- Workshop in Formal Demography - COVID-19 and Formal Demography. Berkeley Population Center

Workshop   March, 2021
University of Michigan
- Accessing and Analyzing Census Data Using R. Social Science Data Analysis Network (SSDAN) at the University of Michigan's Population Studies Center

Board Member   2016 -2017
Feminist Students of Social Science Uppsala
- Position of trust as a member of the board of the association Feminist Students of Social Science Uppsala. A student association working to promote norm criticism and a gender perspective in the faculty of social science at Uppsala University

Language Proficiency

Swedish: *Native*
Spanish: *Native*
English: *Fluent*