Paola Echave

505.352.4470

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Summary of Technical Expertise

Quantitative: Professional statistical work on cross sectional analysis, longitudinal analysis, event history analysis, spatial modeling, coordinate surveying, demographic analysis, applied nonparametric analysis, causal modeling, hierarchical level modeling, network analysis, Bayesian statistical analyses.

Programming: R, ArcGIS, Stata, Python, SAS, and Tableau.

Qualitative: Sampling, interviewing, collecting surveys, analyzing data, coding, data management.

Professional Experience

Research Assistant to Kammi Schmeer, The Ohio State University   *June 2020-Present (20-35 hours per week)*

- Organizes, reviews, plans, and prepares socio-demographic, epidemiologic, health, and nutrition data from households in Leon, Nicaragua.
- Conducts statistical analyses and serves as a technical expert for various demographic projects.
- Reviews the work of undergraduate students and provides critical feedback and guidance.
- Develops research programs that are carried out by others under my guidance.
- Develops written material that communicates complex and technical program information in Spanish/English and presents this information to students and researchers.
- Explains statistical methodology, statistical products and services, and use of statistical tools to co-authors and undergraduate students.
- Advises superiors regarding the best course of action on projects by providing implications regarding feasibility, risk, schedule, and resources.
- Maintains effective relationships with professionals and academics in Nicaragua.
- Leads a team and directs the efforts of technical staff to meet critical due dates and project milestones.

Consultant for the National Coalition for Latinxs with Disabilities (CNLD)   *Feb. 2020 – Present (5 hours per week)*

- Assists with review of the 2021 Bi-lingual Latino Disability Statistics Compendium.
- Creates maps and data visualization on demographic information of the Latino population with disabilities.
- Serves as a technical expert for various demographic or international projects.
- Collaborates on projects with external stakeholders.
- Provides technical assistance on national survey research design.
- Maintains effective relationships and communications with project sponsors, particularly reimbursable sponsors.

Research Assistant to Kammi Schmeer and Hollie Brehm, The Ohio State University — *Aug. 2019-May. 2020 (20-35 hours per week)*

- Compiled, combined, and prepared Census, Demographic, Health Survey (DHS), the Joint United Nations Program on HIV/AIDS data from Rwanda for statistical analyses.
- Evaluated and analyzed demographic and HIV/AIDS data from Rwanda.
- Planned and coordinated project activities for large-scale demographic, health, and international projects.
- Summarized and presented advanced technical procedures and results to team of researchers, professors, undergraduate students, graduate students, and public audiences.
- Explained statistical methodology, statistical products and services, and use of statistical tools to co-authors.
- Persuaded or negotiated with colleagues about technical issues related to population estimates or demographic data.
- Advised superiors regarding the best course of action on projects by providing implications regarding feasibility, risk, schedule, and resources.
- Negotiated with co-authors in areas of project requirements, specifications, schedules, processes, and prioritization.
- Negotiated with and influenced others in order to gain their commitment to pursue new initiatives.
- Established priorities and monitored progress of projects.

Research Assistant to Kammi Schmeer, The Ohio State University — *July 2019-Aug. 2019 (10 hours per week)*

- Organized, planned, and prepared data from the Fragile Families study for statistical analyses.
- Conducted statistical analyses and presented results to research team and public audiences.
- Effectively persuaded research team to adopt new methods in order to accomplish our work.

Research Assistant to Hui Zheng, The Ohio State University — *Aug. 2017-Aug. 2019 (30-40 hours per week)*

- Organized and evaluated data from the Framingham Heart Study, the National Health and Nutrition Examination Survey, and the National Health Interview Series.
- Served as a technical expert for various demographic projects.
- Processed mass statistical data such as tabulating methods.
- Employed complex statistical modeling to analyze variance, identify correlations, and test significance.
- Developed detailed documentation on technical procedures and data usage.
- Presented or facilitated a walk-through of technical procedures and specifications to other students.
- Advised superiors regarding the best course of action on projects by providing implications regarding feasibility, risk, schedule, and resources.
- Analyzed detailed project requirements and implementation schedules.
- Responded to requests for statistical data.
- Co-authored 4 journal publications.

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Professional Service

Latinx Space for Enrichment and Research Mentor   *Aug. 2019-Present*

- Leads weekly sessions with approximately 10 high school students and 4 staff members to prepare, recruit, and retain Latinx scholars from high school to college and graduate school.

Latent Class Analysis Workshop   *Mar. 1st, 2018 – Mar.22nd, 2018*

- Prepared and developed workshop manual on how to conduct principal component analysis and factor analysis using Stata and R.

Qualitative Workshop on NVivo with the Research Methodology Center at OSU   *Jan. 2017-Dec. 2018*

- Created lesson plans and taught sessions on how to use NVivo.

Publications

Zheng, Hui., Echave, Paola., Mehta, Neil, & Myrskyla, Mikko. "Life-long Body Mass Index Trajectories and Mortality in Two Generations." Forthcoming at Annals of Epidemiology

Zheng, Hui & Echave, Paola. "Are Recent Cohorts Getting Worse? Trends in U.S. Adult Physiological Status, Mental Health, and Health Behaviors across a Century of Birth Cohorts". Forthcoming at American Journal of Epidemiology

Zheng, Hui, Echave, Paola., & Mehta, Neil. "Obesity-Mortality Link over the Life Course: The Contribution of Population Compositional Changes" Forthcoming at Biodemography and Social Biology

Zheng, Hui, Dirlam, Jonathan, & Echave, Paola. (2020). "Divergent Trends in the Effects of Early Life Factors on Adult Health." Population Research and Policy Review, 1-30.

Education

Ph.D. in Sociology, The Ohio State University (OSU*), Columbus, Ohio*
Cumulative GPA 3.8   *Expected: Fall 2021*

M.A. in Sociology, The Ohio State University (OSU*), Columbus, Ohio*   *Aug. 2018*
Cumulative GPA 3.8

BA in Criminology with a minor in Psychology, University of New Mexico, *Albuquerque, New Mexico*   *Dec. 2013*
Cumulative GPA 4.20, Summa Cum Laude Graduate

AA in Criminal Justice, New Mexico State University in Alamogordo, *Alamogordo, New Mexico*   *May 2011*
Cumulative GPA 4.0, Gold Cord Graduate, Crimson Scholar Graduate, Meritorious Graduate