

JESSICA ASHLEIGH MILLER

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EDUCATION

PhD, **Rural Sociology and Demography**, *Penn State University* Expected 2024
MS, **Quantitative Methods in the Social Science, Demography**, *CUNY Graduate Center* 2020
BA, **International and Liberal Studies, Middle East**, *Ramapo College of New Jersey* 2017
AS, **Environmental Science**, *SUNY Rockland Community College* 2013
Research Areas: Environmental migration, human-environmental interactions, spatial methods
Technical Skills: ArcGIS, Python, R, MapInfo, QGIS, GeoDa, saTScan, STATA, SSPS, Google software, Microsoft Office

RESEARCH INTEREST

The role that human-environmental interaction plays in population processes with a particular focus on migration.

RESEARCH EXPERIENCE

Population Research Institute University Park, PA
Graduate Assistantship August 2020- ongoing
Conducts research for NSF funded POLARIS project or Pursuing Opportunities for Long-term Arctic Resilience for Infrastructure and Society, which addresses the intersections of climate change, food security and migration among coastal Indigenous communities in the Arctic.

Baruch College New York, NY
Research Assistantship Sept 2019- May 2020
Assisted Prof. Thomas Main, PhD., with quantitative analysis of illiberal web magazines for a forthcoming book on growing illiberal democratic ideology, with the goal of measuring the relative sizes of audiences for web outlets of different political ideologies.

CUNY Institute for Demographic Research New York, NY
Research Assistantship May 2019- May 2020
Wrote an updated literature review on human settlement growth in low elevation coastal zones (LE CZ) for McGranahan, Balk, and Anderson's 2007 study, titled "The rising tide: assessing the risks of climate change and human settlements in low elevation coastal zones". Conducted a comparative analysis of spatial population data for urban human settlement growth at low elevation in and out of deltaic area.

Mercy Corps Washington, DC
Migration and Conflict Research Assistant Jan 2019 - April 2019
Backstopped migration and conflict focus programming and research in Latin American, South Asia, and West Africa. Conducted literature reviews, supports budget preparation and proposal submission in accordance with USAID regulations, and conducts quantitative and qualitative data analysis.

Charney Research New York, NY
Research Assistant April 2018-Jan 2019
Carried out research for multiple United States Government funded projects; Communicated with clients and partners to reach project deliverables; Set up and assisted in the coordination of online focus groups for clients; Edited and contributed to proposals; drafted memos, literature reviews, and research reports; created PowerPoint presentations and graphs for client meetings and presentations.

Center for Migration and International Relations Kathmandu, Nepal
Research Fellow Jan 2018-Mar 2018
Developed and undertook mix-method field research on the perception of environmental change influence on out-migration in Chitwan, Nepal; Distributed 115 household surveys and conducted 12 semi-structured interviews with labor migrants, family members, and international and non-governmental organizations; edited, researched, and wrote articles, white papers, and blog posts on labor migration for CMIR.

School of International Training Amman, Jordan
Student Researcher Jan 2017- May 2017
Undertook independent qualitative field research on Syrian Crisis impact on Jordan's National Employment Strategy; Conducted qualitative interviews with government officials and international organizations implementing small and medium enterprise programs in Jordan.

PEER-REVIEWED ARTICLES

Jessica Miller (2019). Perception of Environmental Change Relationship to Labor Migration in the Chitwan Valley. *International Journal of Entrepreneurship and Economic Issues* 2(1). doi: 10.32674/ijeei.v2i2.13

MANUSCRIPTS IN PREPARATION

J. Miller, J. Yin, and G. Chi (2022). Does Environmental Perception Matter? Using Twitter data to Explore the Mediating Effects of Environmental Risk Perception on Out-Migration from Coastal Alaska.

J. Miller and G. Chi (2022). Internal Alaska Out-Migration and Housing Security Across Levels of Permafrost Risk.

J. Miller and G. Chi (2022). Interstate Migration and Differential Vulnerability: Geographic Realities of Abortion Access in Texas.

CONFERENCE PRESENTATIONS AND POSTERS

PAPER PRESENTATIONS

J. Miller, J. Yin, and G. Chi (Jul. 2021). Does Environmental Risk Perception Matter in Migration Decision Making: A Sentiment Analysis of Environmental Hazards in Alaska. *Rural Sociological Society*.

POSTER PRESENTATIONS

J. Miller (Apr. 2021). Place-Based Inequalities in Persistent Midlife Mortality Risk Across Levels of Rurality and Poverty. *Population Association of America*.

SERVICE ACTIVITIES AND MEMBERSHIPS

Penn State University

PRI Methods Student Workshop Committee

University Park, PA

Sep 2021 – May 2022

CUNY Graduate Center

Master Program Student Council Representative

New York, NY

Sep 2019 – May 2020

Population Association of America

Member

Sep 2020 – current

American Sociological Association

Member

Sep 2020 – current

Rural Sociological Society

Member

Sep 2020 – current