
Audrey M. Dorélie

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EDUCATION

- 2012 **Princeton University**, Princeton NJ
MA and Ph.D., Public Affairs, Office of Population Research and School of Public and International Affairs
- Dissertation Title:* Birth Seasonality in Sub-Saharan Africa: Its Determinants and Implications for Child Health.
Committee: Bryan Grenfell (chair), German Rodriguez, Deborah Balk, and Adel Mahmoud
- Examinations:*
Demographic Theory and Methods (Thomas Espenshade and German Rodriguez);
Infectious Disease and Ecosystem System Structure (Burton Singer and Adel Mahmoud)
- 2004 **Swarthmore College**, Swarthmore PA
B.A. Economics and Biology, Honors
Advisor: Robinson Hollister
- 2002 Study abroad, Internship in Francophone Europe, Paris, France

LANGUAGES: French (native), Haitian Creole

ACADEMIC APPOINTMENTS

University of Minnesota—Twin Cities

- 2014-present Assistant Professor, Humphrey School of Public Affairs (primary affiliation)
2021-present Faculty Affiliate, Applied Economics Department
2021-present Faculty Affiliate, School of Public Health

Academic Administrative Appointments

- 2022-present Minnesota Population Center (MPC) Co-Director of Population Training Program

Affiliations

- 2014-present Faculty Member of Minnesota Population Center
2017-present Faculty Associate, Institute on the Environment
2018-present Faculty Affiliate, Interdisciplinary Center for the Study of Global Change

University of Michigan

- 2012-2014 Robert Wood Johnson Foundation Health & Society Scholar
Postdoctoral Fellow Affiliate in the Population Studies Center

OTHER PROFESSIONAL APPOINTMENTS

- 2008 Bixby Intern in the Population-Health-Environment Program at the Population Reference Bureau, Washington DC
- 2007 Fellow, Community Enterprise Solutions, Antigua, Guatemala
- 2004-2006 Senior Consultant, CompassLexecon an FTI Company, Cambridge, MA

AWARDS & FELLOWSHIPS

- 2022 2021 IPUMS Time Use Research Award for best published paper, “Analyzing the demographic, spatial, and temporal factors influencing social contact patterns in the U.S. and implications for infectious disease spread.”
- 2020 Minnesota Population Center Outstanding Research Award for “Exploring strategies for investigating the mechanisms linking climate and individual-level child health outcomes: an analysis of birth weight in Mali” accepted in journal *Demography*
- 2019 Minnesota Population Center Diversity Fellowship Program Mentor (summer support for an undergraduate and graduate research assistant) for “Social Contact Structures and Time Use Patterns in US.”
- 2018 Minnesota Population Center Outstanding Research Award for “The effect of in utero exposure to influenza on birth and infant outcomes in the US” accepted in journal *Population and Development Review*
- 2012-2014 Robert Wood Johnson Foundation Health and Society Scholar, University of Michigan (\$192,100 for salary, travel, relocation, computing, and research)
- 2011 Best Poster Prize, Population Association of America Annual Meeting
- 2010 Patrice Y. Johnson Memorial Service Award, Assoc. of Black Princeton Alumni
- 2008 National Science Foundation Pre-Doctoral Fellowship Honorable Mention
- 2007-2012 Princeton University Graduate Fellowship

GRANTS

- 2023-2028 R01AI170611-01 NIH/NIAID “Quantifying interpersonal contact in the United States and implications for transmission of SARS-CoV-2 and other respiratory pathogens.” **Principal Investigator.** (Total cost: \$3,600,009) [*submitted July 5, 2022*]
- CON00000097910 NIH “International Population and Agricultural Census Data for Environmental Health Research” **Co-Investigator.** [*submitted Feb 3, 2022*] Impact Score: 20; Percentile Score: 4%
- 2022-2027 R01HD069471, NIH/NICHD “Integrated Demographic and Health Survey Data for Population Health Research (Renewal).” **Co-Investigator.** (\$3,780,405) [*pending NOGA*]

2021	Human Rights Research Fund award for “COVID-19 racial & ethnic disparities: Analyzing the role of social contacts in MN and US”, University of Minnesota. Principal Investigator. (\$45,051)
2020-2025	1R01HD099182-01A1, NIH/NICHD Integrated Global Data on Child Health and Development (IPUMS-MICS). Co-Investigator. (\$1,313,413)
2020-2021	Minnesota Department of Health (158024). Minnesota Social Contact and Modelling Study. Funded by Minnesota Department of Health. Co-Investigator. Sub-Award of Minnesota Health Access Survey 2019 (PI- Kathleen Call)
2020	Minnesota Population Center Pilot Grant to support additional data collection for MN Social Contact and Modelling Study, University of Minnesota. (\$9,600)
2019-2020	University of Minnesota Grant-In-Aid. “Social contact structures and the spread of close-contact infectious diseases in the US and Twin Cities.” Principal Investigator. (\$31,895)
2015-2016	NIH Fogarty 3D43TW009606-03S1, Demography and Population Health Training and Research Project Supplement Grant. Co-Investigator. (\$50,000)
2013-2014	Robert Wood Johnson Foundation Health and Society Scholars Program Research Seed Grant for project on “Impact of infectious diseases on population health.” Principal Investigator. (\$15,000)
2011-2012	Grant to hold interdisciplinary seminar series, Global Health Program, Office of Population Research, Ecology and Evolutionary Biology, Princeton University (\$6,000)
2011	Travel Grant to Genetics and Disease Control Workshop, NSF Travel Grant to Ecology of Infectious Disease Modeling and Data Analysis Workshop
2007-2012	Travel Grant, Office of Population Research and Graduate School, Princeton University (various years)

SCHOLARLY ARTICLES AND BOOK CHAPTERS

Refereed Journal Articles (*indicates student co-authors)

1. **Dorélien, A.**, Ramen*, A., Swanson*, I., & Hill, R. (2021). Analyzing the demographic, spatial, and temporal factors influencing social contact patterns in US and implications for infectious disease spread. *BMC Infect Dis* 21(1): 1009. doi.org/10.1186/s12879-021-06610-w
2. Grace, K., Verdin, A., **Dorélien, A.**, Davenport, F., Funk, C., & Husak, G. (2021). Exploring Strategies for Investigating the Mechanisms Linking Climate and Individual-Level Child Health Outcomes: An Analysis of Birth Weight in Mali. *Demography* 58 (2):499-526. doi.org/10.1215/00703370-8977484
3. **Dorélien, A.**, & Xu, H. (2020). Estimating rural urban disparities in self-rated health in China: Impact of choice of urban definition. *Demographic Research* 43(49):1429-1460. doi.org/10.4054/DemRes.2020.43.49

4. Davenport, F., **Dorélien, A.**, & Grace, K. (2020). Investigating the linkages between pregnancy outcomes and climate in sub-Saharan Africa. *Population and Environment* 41(4):397–421 <https://doi.org/10.1007/s11111-020-00342-w> (co-first authors)
5. Tymejczyk, O., Rivera, V., Peck, M., **Dorélien, A.**, Petion, J., Seo, G., . . . Parcesepe, A. (2020). Psychological distress among a population-representative sample of residents of four slum neighborhoods in Port-au-Prince, Haiti. *Journal of Affective Disorders* 263:241-245 <https://doi.org/10.1016/j.jad.2019.11.103>
6. McNairy, M. L., Tymejczyk, O., Rivera, V., Seo, G., **Dorélien, A.**, Peck, M., Petion, J., Walsh, K., Bolgrien*, A. . . . Fitzgerald, D. W. (2019). High burden of non-communicable disease among a young slum population in Haiti. *Journal of Urban Health*. <https://doi.org/10.1007/s11524-019-00368-y>
7. **Dorélien, A.** (2019). The effect of in utero exposure to influenza on birth and infant outcomes in the US. *Population and Development Review* 45(3): 489–523 <https://doi.org/10.1111/padr.12232>
8. Tymejczyk, O., McNairy, M. L., Petion, J. S., Rivera, V. R., **Dorélien, A.**, Peck, M., . . . Nash, D. (2019). Hypertension prevalence and risk factors among residents of four slum communities: population-representative findings from Port-au-Prince, Haiti. *Journal of Hypertension* 37(4), 685-695. <https://doi.org/10.1097/HJH.0000000000001966>
9. **Dorélien, A.** (2016). Birth seasonality in sub-Saharan Africa. *Demographic Research* 34(27), 761-796. doi.org/10.4054/DemRes.2016.34.27.
10. **Dorélien, A. M.** (2015). Effect of birth month on child health and survival in sub-Saharan Africa. *Biodemography and Social Biology* 61(2), 209-230. doi.org/[10.1080/19485565.2015.1032399](https://doi.org/10.1080/19485565.2015.1032399).
11. **Dorélien, A. M.**, Ballesteros, S., Grenfell, B.T. (2013). Impact of birth seasonality on dynamics of acute immunizing infections in sub-Saharan Africa. *PLoS ONE* 8(10): e75806. doi.org/10.1371/journal.pone.0075806.
12. **Dorélien, A.**, Balk, D. Todd, M. (2013). What is urban? Comparing a satellite view with the Demographic & Health Surveys. *Population Development Review*, 39 (3): 413-439. doi.org/10.1111/j.1728-4457.2013.00610.x.
13. Tatem, A. J., Adamo, S., Bharti, N., Burgert, C. R., Castro, M., **Dorélien, A.**, ... & Balk, D. (2012). Mapping the denominator: Improving spatial demographic data for disease modeling and deriving health metrics. *Population Health Metrics* 10(8) doi.org/10.1186/1478-7954-10-8.

Editor Reviewed Articles

1. **Dorélien, A. M.**, Simon, A., Hagge, S., Call, K. T., Enns, E., & Kulasingam, S. (2020). Minnesota Social Contacts and Mixing Patterns Survey with Implications for Modelling of Infectious Disease Transmission and Control. *Survey Practice* 13 (1). <https://doi.org/10.29115/SP-2020-0007>.
2. **Dorélien, A. M.** (2008). Population's Role in the Current Food Crisis: Focus on East Africa. Population Reference Bureau web article
3. Bremner, J., and **Dorélien, A. M.** (2008). Forest Conservation and Population Growth among Indigenous Peoples of the Amazon. Population Reference Bureau web article

Book Chapters

1. **Dorélien, A. M** and Grace, K. (2022). “Climate change-related demographic and health research: Data and Approaches.” Book chapter in: Ortiz, S. C., McHale, S. M., King, V., & Glick, J. E. (Eds.). (2022). *Environmental impacts on families: Change, challenge, and adaptation*. [Manuscript in preparation]. Social Science Research Institute, Penn State. (**co-first authors**)
2. Balk, D., Montgomery, M. R., McGranahan, G., Kim, D., Todd, M., Buettner, T., and **Dorélien, A.** (2009). Mapping Urban Settlements and the Risks of Climate Change in Africa, Asia, and South America. In G. Martine, J.-M. Guzman, G. McGranahan, D. Schensul, & C. Tacoli (Eds.), *Population Dynamics and Climate Change* (pp. 80-103). New York: United Nations Population Fund and International Institute for the Environment and Development

Newsletter

Dorélien, A. (2021). *Invited essay on COVID-19 and Management* 1st ed., vol. 19. Management Matters- The Public Management Research Association Newsletter. <http://pmranet.org/wp-content/uploads/Management-Matters-V19-1.pdf> [Non-Refereed]

Newspaper

Sojourner, A. (Lead Author), **Dorélien, A.**, & Golberstein, E. (2020). *We will have a devastating recession economy until there's widespread coronavirus testing*. USA Today. <https://www.usatoday.com/story/opinion/2020/03/25/coronavirus-economy-devastating-until-widespread-testing-column/2909765001/> [Non-Refereed]

Publications Submitted or In Progress

1. **Dorélien, A. M.**, Venkateswaran*, N., Deng*, J., Searle, K., Enns, E., & Kulasingam, S. (2021). Quantifying social contact patterns in Minnesota during Stay-at-Home physical distancing order. Earlier version is available as a medRxiv preprint: doi.org/10.1101/2021.07.12.21260216. *Under Review*
2. Deng*, J., & **Dorélien, A.** Don't Tell Me What to Do: Partisanship and Masking Behavior. *Working Paper Available*
3. **Dorélien, A.**, & Shridhar*, A. Racial/Ethnic Differences in Social Contact Patterns, and Implications for COVID-19. *In Progress*
4. **Dorélien, A.**, & Shridhar*, A. The Impact of COVID Pandemic on Social Contact Patterns by Gender and Household type. *In Progress*
5. **Dorélien, A.**, Grace, K., Davenport, F. Malaria exposure and pregnancy outcomes in Sub-Saharan Africa. *In Progress*
6. **Dorélien, A.** “Seasonal birth patterns differ by socio-demographic characteristics in sub-Saharan Africa.” *Working Paper Available*

PEER-REVIEWED CONFERENCE PRESENTATIONS (Total = 24). * indicates student**Poster**

1. **Dorélien, A. M., (Author & Presenter)**, Shridhar*, A. (Author). "Racial/Ethnic Differences in Social Contact Patterns and Implications for COVID-19." IAPHS Annual Meeting, Minneapolis, Minnesota. (Scheduled September 20, 2022)
2. **Dorélien, A. M., (Author & Presenter)**, Deng*, J. (Author). "Don't Tell Me What to Do: Partisanship and Masking Behavior," IAPHS Annual Meeting, Minneapolis, Minnesota. (Scheduled September 21, 2022)
3. **Dorélien, A. M., (Author & Presenter)** "Analyzing the demographic, spatial, and temporal factors influencing social contact patterns in US and implications for infectious disease spread," IAPHS Annual Meeting- "Policies, Places, and Profits: Manufacturers of Illness and Health" IAPHS. (September 30, 2020).
4. Bolgrien, A.*, (Author & Presenter), **Dorélien, A. M., (Author)** "Demography and migration patterns of residents in four urban slums in Port-au-Prince, Haiti," 28th International Population Conference, International Union for the Scientific Study of Population (IUSSP), Cape Town, South Africa. (October 30, 2017).
5. **Dorélien, A. M., (Author & Presenter)**, Zagheni, E., (Author) "Economic Shocks, Seasonal Patterns and the Spread of Close-Contact Infectious Diseases in the United States: Evidence from Time Use Data," PAA Annual Conference, Population Association of America, Chicago, Illinois, United States. (April 29, 2017).
6. Xu, H., (Author & Presenter), **Dorélien, A. M., (Author)** "The Stress of Keeping up with the Wangs: Do Psychosocial Factors Mediate the Association Between Subjective Social Status and Health?," PAA Annual Conference, Population Association of America, Chicago, Illinois, United States. (April 27, 2017).
7. **Dorelien, A. M.-C.** "Effects of In-Utero Exposure to Seasonal Influenza on Fetal and Infant Outcomes in the United States, 1989-2004," PAA Annual Conference, PAA, San Diego, California. (April 30, 2015).
8. **Dorélien, A. M., (Author & Presenter)** "Social and Ecological Drivers of Birth Seasonality in Sub-Saharan Africa," PAA Annual Conference, Population Association of America, San Francisco, California. (May 2012).
9. **Dorélien, A. M., (Author & Presenter)** "Birth Seasonality in sub-Saharan Africa," PAA Annual Conference, Population Association of America, Washington DC. (March 2011).

Talks

1. **Dorélien, A. M., (Author & Presenter)**, Shridhar*, A. (Author). "Racial/Ethnic Differences in Social Contact Patterns and Implications for COVID-19." 2022 Data-Intensive Research Conference, NDIRA. Minneapolis, Minnesota. (Scheduled July 20, 2022)
2. **Dorélien, A. M., (Author & Presenter)**, Venkateswaran, N., (Author), Deng*, J., (Author), Searle, K., (Author), Kulasingam, S. L., (Author) "Quantifying social contact patterns in Minnesota during Stay-at-Home physical distancing order," 29th International Population Conference, Session 43, IUSSP. (December 6, 2021).

3. **Dorelien, A. M. (Author & Presenter)**, Grace, K. (author), Davenport, F. (author) "Malaria exposure and pregnancy outcomes in Sub-Saharan Africa," IAPHS Annual Conference- "Policies, Places, and Profits: Manufacturers of Illness and Health" Interdisciplinary Association for Population Health Science. (October 1, 2020).
4. **Dorélien, A. M., (Author & Presenter)**, Zagheni, E., (Author) "Economic Shocks, Seasonal Patterns and the Spread of Close-Contact Infectious Diseases in the United States: Evidence from Time Use Data," 28th International Population Conference International Union for the Scientific Study of Population (IUSSP), Cape Town, South Africa. (November 1, 2017).
5. Grace, K. L., (Author & Presenter), Davenport, F., (Author), **Dorélien, A. M., (Author)** "The Impact of Climate and Food Insecurity on Miscarriage, Stillbirth, and Neonatal Mortality in Africa," PAA Annual Conference Population Association of America, Chicago, Illinois, United States. (April 28, 2017).
6. **Dorélien, A. M. (Author & Presenter)** "Effect of in-utero exposure to seasonal influenza on fetal and infant outcomes in the United States, 1989-2004," Robert Wood Johnson Foundation Health and Society Program Meeting RWJF, Detroit, Michigan. (May 2014).
7. **Dorélien, A. M., (Author & Presenter)** "The relationship between birth month and child health and survival in sub-Saharan Africa," International Population Conference IUSSP, Busan, Korea, Democratic People's Rep. (August 2013).
8. **Dorélien, A. M. (Author & Presenter)** "Effect of in-utero exposure to seasonal influenza on fetal and infant outcomes in the United States, 1989-2004," Robert Wood Johnson Foundation Health and Society Program Meeting RWJF, San Diego, California. (May 2013).
9. **Dorélien, A. M., (Author & Presenter)** "The impact of birth seasonality on dynamics of acute immunizing infections in sub-Saharan Africa," PAA Annual Conference PAA, New Orleans, Louisiana. (April 2013).
10. **Dorélien, A. M., (Author & Presenter)** "The relationship between birth month and child health and survival in sub-Saharan Africa," PAA Annual Conference PAA, New Orleans, Louisiana. (April 2013).
11. **Dorélien, A. M., (Author & Presenter)** "Birth month and Child Health and Survival in sub-Saharan Africa," Sixth African Population Conference Union for African Population Studies (UAPS), Ouagadougou, Burkina Faso. (December 2011).
12. **Dorélien, A. M., (Author & Presenter)** "Social and Ecological Drivers of Birth Seasonality in Sub-Saharan Africa," Sixth African Population Conference Union for African Population Studies (UAPS), Ouagadougou, Burkina Faso. (December 2011).
13. **Dorélien, A. M. (Author & Presenter)** "Birth Seasonality and Disease Dynamics in Sub-Saharan Africa," DIMACS/MBI US - African BioMathematics Initiative: Workshop on Genetics and Disease Control DIMACS Center for Discrete Mathematics & Theoretical Computer Science, Ghana. (August 12, 2011).
14. **Dorélien, A. M., (Author & Presenter)** "Conceptualizing and Measuring Urban Locations: Comparing a satellite view with the Demographic & Health Surveys," PAA Annual Conference, Population Association of America, Dallas, Texas. (April 2010).
15. **Dorélien, A. M., (Presenter)** "Analysis of Temporary Protected Status for Environmental Disasters: How much protection is provided and why do some countries receive TPS designation and others do not?" Symposium in Honor of Black History Month Princeton University, NJ. (March 2010).

INVITED RESEARCH PRESENTATIONS (Total = 18).* *indicates student*

1. **Dorélien, A. M. (Presenter & Panelist)** "Climate change-related demographic and health research: Data and approaches," CPDecades Centre on Population Dynamics, McGill University, Canada. (May 20, 2022). *Invited*.
2. **Dorélien, A. M., (Author & Presenter)** "Racial/Ethnic Differences in Social Contact Patterns and Implications for COVID-19," Brown Bag Series Florida State University Center for Demography and Population Health. (March 25, 2022). *Invited*.
3. **Dorélien, A. M., (Panelist)** "Session 124 Research Leader Session - Addressing the Needs of Marginalized Populations Impacted by Climate Change: Evidence Gaps at the Intersection of the Population and Climate Sciences (Sponsored by the Population Council)," 29th International Population Conference IUSSP. (December 8, 2021). *Invited*. URL: <https://ipc2021.popconf.org/sessions/124>
4. **Dorélien, A. M., (Panelist)** "Human Rights at Home," Human Rights Program 20th Anniversary Symposium: Mobilizing Knowledge to Advance Human Rights UMN Human Rights Program. (November 18, 2021). *Invited*. URL: <https://cla.umn.edu/human-rights/news-events/events/human-rights-program-20th-anniversary-symposium>
5. **Dorélien, A. M., (Panelist)** "La Situation en Haiti n'est pas sans espoir," Haiti: Finding a way forward Alliance Française Mpls/St Paul. (November 16, 2021). *Invited*. URL: [https://www.afmsp.org/events/haiti-finding-a-way-forward-online-event#/https://www.afmsp.org/events/haiti-finding-a-way-forward-online-event#/#](https://www.afmsp.org/events/haiti-finding-a-way-forward-online-event#/https://www.afmsp.org/events/haiti-finding-a-way-forward-online-event#/)
6. **Dorélien, A. M., (Presenter),** Grace, K. L., (Author & Presenter) "Session 2: Climate Change. Data and Frameworks for Linking Women and Children's Health to Climate Change (in low-income countries)," National Symposium on Family Issues- Environmental Impacts on Families: Change, Challenge, and Adaptation Penn State. (October 25, 2021). *Invited*. URL: <https://pop.psu.edu/events/29th-annual-national-symposium-family-issues>
7. **Dorelien, A. M. (Presenter & Panelist)** "Hausse des température et impact sur les grossesses et la santé maternelle," Changement Climatique et Santé de la Reproduction. Population Reference Bureau West African Journalist Workshop on impacts of climate change on women's reproductive health. (July 14, 2021). *Invited*.
8. **Dorélien, A. M., (Presenter)** "Quantifying Social Contact Patterns in Minnesota During the Stay-At-Home Social Distancing Order," Formal Demography Workshop, Berkeley Demography Department. (May 27, 2021). *Invited*.
9. **Dorélien, A. M., (Presenter)** "Pre-pandemic and pandemic social contact patterns in the US and implications for COVID-19 transmission," CIDR Seminar Series, CUNY Institute for Demographic Research (CIDR). (April 9, 2021). *Invited*.
10. **Dorélien, A. M., (Presenter)** "Using remotely sensed data to study in utero health shocks in Sub-Saharan Africa (SSA)," Spring 2020 Seminar Series Remote Sensing Interdisciplinary Graduate Education Program at Virginia Tech, Virginia. (February 10, 2020). *Invited*.
11. **Dorélien, A. M., (Presenter)** "Using remotely sensed data to study in utero health shocks in Sub-Saharan Africa," IPR Seminar Series Institute for Population Research at the Ohio State University, Ohio, United States. (February 12, 2019). *Invited*.

12. **Dorélien, A. M., (Presenter)** "The Effects of In-Utero Exposure to Influenza on Fetal and Infant Outcomes in the US," Maryland Population Research Center, University of Maryland College Park. (October 1, 2018). *Invited.*
13. **Dorélien, A. M., (Presenter)** "Demography and migration in four urban slums in Port-au-Prince, Haiti," CU Population Center Seminar University of Colorado, Boulder. (September 14, 2017). *Invited.*
14. **Dorélien, A. M., (Presenter).** "Effects of In-Utero Exposure to Seasonal Influenza on Fetal and Infant Outcomes in the United States," Berkeley Demography Brown Bag Talks Demography Department, University of California, Berkeley, Berkeley, California. (April 20, 2016). *Invited.*
15. **Dorélien, A. M., (Presenter)** "Effects of maternal exposure to influenza on fetal and infant outcomes in the United States, 1988-2004," Methods & Inequality Workshop Series Minnesota Population Center, University of Minnesota. (October 2014). *Invited.*
16. **Dorélien, A. M., (Presenter)** "Implications of Seasonal Fluctuations in Birth Rates on Child Health," Department of Health and Behavioral Science Seminar University of Colorado, Denver, Denver, Colorado. (December 2013). *Invited.*
17. **Dorélien, A. M., (Presenter)** "Implications of Seasonal Fluctuations in Birth Rates on Child Health," Humphrey School Seminar University of Minnesota, Minneapolis, Minnesota. (November 2013). *Invited.*
18. **Dorélien, A. M., (Presenter)** "Implications of Seasonal Fluctuations in Birth Rates on Child Health," Sociology Department Seminar University of California-Irvine, Irvine, California. (November 22, 2013). *Invited.*

INVITED OUTREACH AND ENGAGEMENT PRESENTATIONS AND DISCUSSIONS

To the Humphrey School

1. Presentation to Humphrey School Advisory Council Meeting, 2014
2. Panel member at GSPEC event on "Gender by Numbers: Thinking Critically About Quantitative Research", March 2015
3. Humphrey Internationalization MPP Focus Group Meetings, March 2015
4. Faculty Panelist, Prospective Student Information Session, 2015-present
5. Faculty Panelist, Fall Preview, 2015-present

To the University of Minnesota

1. MPC Diversity Panel, July 2015
2. MPC Diversity Panel, July 2016
3. Pie with Professors, University of Minnesota Honors Program, October 25, 2018
4. Pie with Professors, University of Minnesota Honors Program November 19, 2018
5. MPC Diversity Panel, July 2021

To the Public Community

1. Guest Speaker, MINN (Minnesota International NGO Network) Summit, Minneapolis, November 1, 2019

PROFESSIONAL DEVELOPMENT/ ADDITIONAL TRAINING

2017	IUSSP Workshop. Geospatial Demography, Combining Satellite, Survey, Census and Cellphone Data to Provide Small-area Estimates
2015	University of Minnesota Center for Writing, “Teaching with Writing Seminar”
2014	Stanford Workshop in Formal Demography
2013	Responsible Conduct of Research Training, University of Michigan School of Public Health
2012	Population Health Course, University of Michigan School of Public Health
2011	Global Assessment and Monitoring Using Remote Sensing Course, Columbia University
2011	Genetics and Disease Control Workshop, DIMACS/MBI US-African Biomathematics Initiative
2011	Ecology of Infectious Disease Modeling and Data Analysis Workshop Sponsored by Department of Biology, Colorado State University
2008	Environmental Demography Summer Short Course, University of Colorado, Population Center

TEACHING EXPERIENCE

Volunteer Tutor/Instructor

- Assistant English teacher, Escuela Javier Alonso Sayles Vargas, Ahome, Mexico(2007)

Princeton University

Assistant in Instruction

- ENV 309 Disease Ecology, Economics, and Public Policy - Professors Ramanan Laxminarayan and Bryan Grenfell (Spring 2009, Fall 2011)
- GHP 350 Epidemiology - Professor Anne Andermann (Fall 2009)
- POP 508 Epidemiology - Professor Anne Andermann (Spring 2010)

University of Minnesota—Twin Cities

Courses Taught

- PA 5929 Data Visualization: Telling Stories with Numbers (13x)
- PA 5490 Politics and Policy of Demographic Change (Fall: 2019, 2020)

- PA 8461 Global & US Perspectives on Health & Mortality
(Fall: 2014-2016, 2018, 2020-2021)
- PA 5021 Microeconomics for Policy Analysis (Fall: 2015-2016; Spring: 2018-2019)

Guest Lectures

	Month	Course/Program Name	
1	Mar 2017	SOC 4246	Sociology of Health and Illness
2	Apr 2019	GEOG 5900	Special Topics: Quantitative Methods for Survey Data
3	Nov 2019	APEC 3001	Intermediate Microeconomics
4	Jun 2020	OLLI 20449	Data Visualization in Logical and Radical Innovations
5	July 2020	JSI	Junior Summer Institute
6	Feb 2021	PA 8006	Current Research in Public Affairs
7	Feb 2021	GEOG 8980	Global Health Data Analysis
8	Oct 2021	PUBH 3365	Modeling and Mapping for Infectious Disease Epidemiology
9	July 2022	JSI	Junior Summer Institute

Workshops

	Month	Course/Program Name
1	Apr 2015	Data Viz Crash Course, Humphrey School
2	Dec 2015	Data Viz Crash Course, Humphrey School
3	Aug 2018	Data Viz Workshop for Elizabeth Boyle's Lab (SOC, MPC)
4	Oct 2019	Workshop on Gerrymandering, MPC

ADVISING AND MENTORING

University of Minnesota—Twin Cities

Doctoral Preliminary Committee

	Name	Department	Role	Year
1	Maryia Bakhtsiyarava	GEOG	Member	2017
2	Anna Bolgrien	HHH	Member	2018
3	Man Xu	HHH	Member	2019
4	Berenger Djoumessi Tiague	APEC	Member	2020
5	Bahvin Pradhan	POL	Member	2021
6	Yi Wang	HHH	Member	2021

Doctoral Final Committee:

	Name	Department	Role	Year
1	Maryia Bakhtsiyarava	GEOG	Reviewer	2020
2	Anna Bolgrien	HHH	Reviewer	2021
3	Man Xu	HHH	Reviewer	2021
4	Natalia Ordaz Reynoso	APEC	Member	2021
5	Berenger Djoumessi Tiague	APEC	Reviewer	2022

SERVICE

Princeton University

- PhD Representative to the Woodrow Wilson School Action Committee, 2008
- Black Graduate Caucus Representative to Graduate Student Council, 2007-2008
- President of the Black Graduate Caucus, 2008-2010
- Diversity Fellow, Office of Associate Dean of Academic Affairs and Diversity, 2009-2010
- Global Crisis Committee (formerly Haiti Earthquake Response Committee), 2010
- Residential Graduate Student, Butler College, 2011-2012
- Co-convenor of seminar series “Research at the Interface of Economics, Ecology, and Health.” 2012

University of Minnesota**Humphrey School**

- Member, Faculty Search, Women, Gender, and Public Policy Center Director, 2015-2016
- Member, Admissions Committee, 2017-2019
- Member, Alumni Committee, Summer 2019
- Member, PhD Committee, 2019-2022

University Service

- Co-coordinator, MPC’s Inequality & Methods Workshop, 2015-2017
- Member, ISDRI Population Training Program Advisory Board, 2019-2021
- Member, MPC Advisory Board, 2019-2022

Professional**Advisory Boards**

- Member, IPUMS Demographic Health Survey Advisory Board, 2016-present
- Member, NASA Socioeconomic Data and Applications Center (SEDAC) User Working Group (UWG), 2016-2020

Journal Article Reviews

Annals of Epidemiology	E-Life	Population and Development Review
Biodemography and Social Biology	Environmental Practice	Population and Environment
Biosocial Science	Environment Research Letters	Population Health Metric
BMC Infectious Disease	Global Environment Change	Population Studies
BMC Public Health	Journal of Water and Health	Proceeding of Royal Society B: Biological Sciences
Cahiers Québécoise de Démographie	Maternal and Child Health Journal	Scientific Reports
Demographic Research	PLOS One	World Development

Memberships

- Population Association of America (PAA)
- International Union for the Scientific Study of Population (IUSSP)
- Population Environment Research Network (PERN),
- Union for African Population Studies (UAPS)
- Interdisciplinary Association for Population Health Science (IAPHS)
- Association for Public Policy Analysis and Management (APPAM)
- Models of Infectious Disease Agent Study Network (MIDAS)

Organizing and Moderating

1. Discussant *[invited]*, IUSSP, 2009
2. Discussant *[invited]*, PAA, 2014
3. PAA Conference Program Committee *[invited]*- Population, Development, and the Environment Theme chair, 2014-2015
4. Discussant *[invited]*, PAA, 2015
5. Co-coordinator of PAA Data Visualization Workshop, 2016
6. Session Organizer/Chair *[invited]*, PAA, 2017
7. Discussant *[invited]*, PAA, 2017
8. Discussant *[invited]*, "Session 289- Sex, gender, and health," 28th International Population Conference International Union for the Scientific Study of Population (IUSSP), Cape Town, South Africa. (November 3, 2017)
9. Session Organizer/Chair *[invited]*, PAA 2020

10. Session Organizer/Chair *[invited]*, PAA 2021
11. Panelist *[invited]*, IAPHS Student Committee Webinar “Interdisciplinarity and the Job Market”, 2021

Media Appearances

- "A steamy summer looms, especially for Minnesotans who live in urban heat islands with scant shade and spotty air conditioning. Need help in staying cool? Here are some tips.," Sahan Journal <https://sahanjournal.com/climate/minnesota-summer-heat-danger-help-resources/> May 13, 2022
- "The Road Ahead: Charting the coronavirus pandemic over the next 12 months — and beyond," STAT <https://www.statnews.com/feature/coronavirus/the-road-ahead-the-next-12-months-and-beyond/> September 22, 2020
- "MPR News with Angela Davis," Minnesota Public Radio <https://www.mprnews.org/episode/2020/04/01/davis-what-to-expect-when-youre-expecting-during-a-pandemic> April 1, 2020
- "Fox9 News," Fox9 News <https://www.fox9.com/news/pregnant-women-should-get-the-flu-shot-university-of-minnesota-research-says> October 31, 2019
- "Good Question with Heather Brown," WCCO CBS Minnesota <https://minnesota.cbslocal.com/2019/07/11/good-question-population-growth-united-nations/> July 11, 2019