

# Feinuo Sun

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Global Aging and Community Initiative, Mount Saint Vincent University  
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## RESEARCH INTERESTS

Demography of Health; Rural Sociology; Pain; Migration; Spatial Analysis; Quantitative Methods

## TEACHING INTERESTS

Global Health and Aging; Spatial Inequalities; Demography; Statistics; Social Research Methods

## EMPLOYMENT

2021-present Postdoctoral Fellow Scholar  
Global Aging and Community Initiative,  
Mount Saint Vincent University, Halifax, Canada

- Project: *Demography of Chronic Pain*  
(National Institutes of Health 1R01 AG065351)

Fellow 2021-2022  
Consortium on Analytics for Data-Driven Decision-Making (CAnD3),  
McGill University, Montreal, Canada

## EDUCATION

2021 Ph.D. in Sociology  
University at Albany, State University of New York

- Dissertation:  
*Rurality and the Opioid Crisis in U.S. Counties: a Spatiotemporal Investigation*  
Committee: Tse-Chuan Yang (Chair), Kate W. Strully, Glenn Deane  
(2020-2021 Dissertation Research Award, Rural Sociological Society)
- Certificate of Graduate Study in *Demography*

2016 B.A in Administrative Management (Self Examination)  
Nanjing University, Nanjing, China

2015 B.E. in Traffic Engineering  
Southeast University, Nanjing, China

## PUBLICATIONS

Yang, Tse-Chuan, Carla Shoff, Seungwon. E. Choi, and **Feinuo Sun**. 2022. "Multiscale dimensions of county-level disparities in opioid use disorder rates among older Medicare beneficiaries." Accepted in *Frontiers in Public Health*

Yang, Tse-Chuan, Stephen Matthews, and **Feinuo Sun**. 2022. "Multiscale dimensions of spatial process underlying US county COVID-19 fully vaccinated rates." *American Journal of Preventive Medicine* doi: 10.1016/j.amepre.2022.06.006

Chen, Vivian Yi-Ju, Kiwoong Park, **Feinuo Sun**, and Tse-Chuan Yang. 2022. "Assessing COVID-19 risk with temporal indices and geographically weighted ordinal logistic regression in US counties." *PLoS ONE* 17(4): e0265673. doi: 10.1371/journal.pone.0265673

**Sun, Feinuo**. 2022. "Rurality and opioid prescribing rates in U.S. counties from 2006 to 2018: A spatiotemporal investigation." *Social Science & Medicine* 296: 114788. doi: 10.1016/j.socscimed.2022.114788

**Sun, Feinuo** and Zai Liang. 2021. "Parental migration and anemia status of children in China." *Social Science & Medicine* 270: 113680. doi: 10.1016/j.socscimed.2021.113680

Yang, Tse-Chuan, Seungwon. E. Choi, and **Feinuo Sun**. 2021. "COVID-19 confirmed cases in US counties: The role of racial/ethnic density and residential segregation." *Ethnicity & health* 26(1): 11-21. doi: 10.1080/13557858.2020.1830036

**Sun, Feinuo**, Stephen A. Matthews, Tse-Chuan Yang, and Ming-Hsiao Hu. 2020. "A spatial analysis of COVID-19 period prevalence in US counties through June 28, 2020: Where geography matters?" *Annals of Epidemiology* 52: 54-59. doi: 10.1016/j.annepidem.2020.07.014

Yang, Tse-Chuan, **Feinuo Sun**, and Seungwon. E. Choi. 2020. "Rural residence and mortality in later life: Exploring the role of social integration and social support from a longitudinal perspective." *Population, Space and Place* 27(1): e2377. doi: 10.1002/psp.2377

**Sun, Feinuo**, Zhen Liu, and Kathryn S. Schiller. 2020. "Parental migration and children's educational aspirations: China and Mexico in a comparative perspective." *Chinese Sociological Review* 52(4): 482-486. doi: 10.1080/21620555.2020.1779052

Liang, Zai and **Feinuo Sun**. 2020. "The Lasting impact of parental migration on children's education and health outcomes: The case of China." *Demographic Research* 43: 217-244. doi: 10.4054/DemRes.2020.43.9

Yang, Tse-Chuan and **Feinuo Sun**. 2019. "A longitudinal analysis of how perceived discrimination gets under the skin: Investigating the gender and racial/ethnic differences." *EurAmerica* 49(2): 243-285.

† Both authors contributed equally to the manuscript.

Yang, Tse-Chuan, Stephen Matthews, **Feinuo Sun**, and Marina Armendariz. 2019. "Modeling the relative importance of within and between county effects in an ecological study of the association between social capital and mental distress." *Preventing Chronic Disease* 16. doi: 10.5888/pcd16.180491

## **WORK IN PROGRESS**

R&R **Sun, Feinuo**, Zachary Zimmer, and Anna Zajacova. "Educational differences in life expectancies with and without pain." *Journal of Gerontology: Social Sciences*

Submitted **Sun, Feinuo**, Kai Zhang, Lifang Hou, et al. "Social determinants, cardiovascular disease, healthcare cost: A natiowide study in the U.S. using machine learning"

**Sun, Feinuo**, Zachary Zimmer, and Anna Zajacova. "Pain and disability transitions among older Americans: The role of education."

Working paper **Sun, Feinuo**. "Deaths of despair or drug environments? A spatiotemporal investigation of rurality and opioid-involved mortality rates in U.S. counties."

**Sun, Feinuo**. "Opioid crisis in rural and urban U.S. counties from 2006-2018: in light of the index of relative rurality."

Liu, Han and **Feinuo Sun**. “Health effects of men’s employment trajectories during the Great Recession.”

**Sun, Feinuo**, Anna Zajacova, and Hanna Grol-Prokopczyk. “The geography of arthritis-attributable activity limitation and pain: A county-level spatial analysis.”

**Sun, Feinuo**, Zachary Zimmer, and Nicolas Brouard. “Life expectancies with and without pain across rural-urban continuum in the US.”

### **GRANTS AND AWARDS**

2021	2021-2022 CSDC-CAnD3 Fellowship (CAD \$10,000)
2021	2020-2021 Dissertation Research Award, Rural Sociological Society (\$1000)
2020	Benevolent Association Research and Creative Activity Grant, University at Albany, State University of New York (\$400)
2019	Professional Development Award, Graduate Student Employees Union, University at Albany, State University of New York (\$500)
2018	Student Paper Prize, Urban China Research Network Conference
2018	Travel Award, International Chinese Sociological Association (\$200)
2018	Professional Development Award, Graduate Student Employees Union, University at Albany, State University of New York (\$800)
2018	Travel Grants, Department of Sociology, University at Albany, State University of New York (\$400)
2017	Travel Grants, Department of Sociology, University at Albany, State University of New York (\$400)

### **CONFERENCE PRESENTATIONS**

- Sun, Feinuo**, Zachary Zimmer, and Nicolas Brouard. “Life expectancies with and without pain across rural-urban continuum in the US.” REVES, Halifax, 2022
- Sun, Feinuo**, Zachary Zimmer, and Anna Zajacova. “Pain and disability transitions among older Americans: The role of education.” Flash session presentation at the Population Association of America Annual Meeting, Atlanta, GA, 2022.
- Sun, Feinuo**. “Rurality and the opioid-involved mortality rates in U.S. counties: A spatiotemporal investigation.” Regular session presentation at the American Sociological Association Annual Meeting, Virtual Conference, 2021.
- Liu, Han and **Feinuo Sun**. “Health effects of men’s employment trajectories during the Great Recession” Regular session presentation at the American Sociological Association Annual Meeting, Virtual Conference, 2020.
- Sun, Feinuo**. “Contextual determinants on migrant workers’ household intentions in China–Interacting with hukou status and migration distance.” Regular session presentation at the Population Association of America Annual Meeting, Austin, TX, 2019.
- Liu, Han and **Feinuo Sun**. “Career trajectory and health in mid-adulthood.” Poster presentation at the Population Association of America Annual Meeting, Austin, TX, 2019.

**Sun, Feinuo** and Zai Liang. “Parental migration and anemia status of children in rural China”  
Roundtable Session Presentation at American Sociological Association Conference,  
Philadelphia, PA, 2018.

**Sun, Feinuo** and Zai Liang. “Parental migration and anemia status of children in rural China” Regular  
Session Presentation at International Chinese Sociological Association Conference, Princeton,  
NJ, 2018.

**Sun, Feinuo.** “What do migrant workers care about most? An examination on city evaluations and  
migrants' household intentions in China” Regular Session Presentation at Eastern Sociological  
Society Conference, Baltimore, MD, 2018.

**Sun, Feinuo.** “Land abandonment by households with out-migrant workers: The gender effect”  
Regular Session Presentation at Urban China Research Network, Shanghai, China, 2017.

## **TEACHING EXPERIENCE**

- Sep 2022     Presenter  
*International Workshop on Health Expectancy: An Educational, Training and  
Networking Opportunity for Scholars* for the 33rd REVES meeting in Halifax  
(for early-career scholars, 2 days in-person)
- Fa 2021     Guest Lecturer  
Department of Family Studies and Gerontology, Mount Saint Vincent University  
*Global Health and Aging in the Context of Covid 19*  
(for graduate and undergraduate students, 1 section in-person)
- 2018-2021   Instructor  
Department of Sociology, University at Albany, State University of New York  
*Introduction to Social Research* (3 sections in-person, 2 sections asynchronous)  
*Introduction to Sociology* (1 section in-person, 1 section asynchronous)  
*The American Welfare State* (1 section asynchronous)
- Spr 2018     Co-instructor  
Department of Sociology, University at Albany, State University of New York  
*Statistics for Sociologists* (1 section in-person)
- Spr 2017     Guest Lecturer  
Department of Sociology, University at Albany, State University of New York  
*Research Proposal Seminar* (for honors undergraduate students, 1 section in-person)
- 2015-2017   Teaching Assistant (grader)  
Department of Sociology, University at Albany, State University of New York  
*Social Demography* (2 sections)  
*Contemporary Immigration and the Second Generation* (1 section)  
*Statistics for Sociologists* (3 sections)

## **RESEARCH EXPERIENCE**

- 2016-2020   Research Assistant  
Research Foundation, University at Albany, State University of New York  
Center for Social and Demographic Analysis (CSDA), University at Albany, State  
University of New York  
*“Exploring the Relationship between Medicare-Medicaid Dual-Eligibility and Opioid  
Use Disorder Among Older Adults Living in Rural America”*

*NIA-supported Interdisciplinary Network on Rural Population Health and Aging, Tse-Chuan Yang (PI) and Benjamin Shaw (Co-PI).*

*“The Educational and Health Consequences of Parental Migration on Children”  
US National Science Foundation (SES#1524282), Zai Liang (PI), Kathryn S. Schiller  
and Glenn Deane (Co-PI).*

*“A Study on Migrant Children and Left behind Children in China”  
National Social Science Foundation of China (15AZD053), Zai Liang (PI).*

*“Population Research Center Core Grant”  
Eunice Kennedy Shriver National Institute of Child Health and Human Development  
(R24-HD044943), Jennifer VanHook (PI), Tse-Chuan Yang (Co-PI) and others.*

2015-2018 Graduate Assistant  
Department of Sociology, University at Albany, State University of New York

### **PROFESSIONAL SERVICE**

Occasional referee: *Social Forces, Health & Place, World Development, Mathematical Population Studies, Spatial Demography, SSM-Mental Health, BMJ open, Journal of Spatial Science, BMC Public Health, BMC Medicine, Frontiers in Sustainable Cities, PloS ONE*

### **PROFESSIONAL MEMBERSHIPS**

Population Association of America  
American Sociological Association  
Rural Sociological Society  
REVES (Network on Health Expectancy)  
International Chinese Sociological Association  
Eastern Sociological Association  
Urban China Research Network

### **SKILLS AND ABILITIES**

Programs STATA/R/Arc GIS/Geoda/HLM/SPSS  
Language English (Fluent), Mandarin (Native)

### **REFERENCES**

Tse-Chuan Yang (Dissertation Chair)  
Associate Professor, Preventive Medicine & Community Health  
University of Texas Medical Branch  
(409) 747-1985  
[tsyang@utmb.edu](mailto:tsyang@utmb.edu)

Zachary Zimmer (Postdoc Supervisor)  
Professor, Government of Canada Research Chair, Tier I Professor, Family Studies and Gerontology  
Director, Global Aging and Community Initiative  
Mount Saint Vincent University  
(902) 457-5541  
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Western University  
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