

# Emma Xiaolu Zang

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## EMPLOYMENT

2019 - Present Assistant Professor, Department of Sociology, Yale University  
– Fellow, Institution for Social and Policy Studies (ISPS)

## EDUCATION

2019 **Ph.D.** in Public Policy, Duke University  
– Certificate in College Teaching

2017 **M.A.** in Economics, Duke University

2014 **M.Phil.** in Social Science, Hong Kong University of Science and Technology  
– Certificate in Intermediate Japanese

2012 **B.L.** with Highest Distinction & Honors in Sociology, Tongji University

2011-2012 **Erasmus Mundus Exchange Student** in Statistics & Sociology, Ghent University

## AREAS OF INTERESTS

Health, Inequality, Demography, Quantitative Methods, China, Family

## PEER REVIEWED PAPERS

*\* denotes student or postdoc coauthor at the timing of writing*

6. **Zang, Emma.**, Hui Zheng, Claire Y. Yang, Kenneth Land. (2018). "Recent Trends in U.S. Mortality in Early and Middle Adulthood: Racial/Ethnic Disparities in Inter-Cohort Patterns." *International Journal of Epidemiology*.

– Featured (selected): [Science Daily](#), [Neuroscience News](#), [Medical Xpress](#)

5. **Zang, Emma.**, Anthony R. Bardo\*. (2018). "Objective and Subjective Socioeconomic Status, their Discrepancy, and Health: Evidence from Cross-National East Asian Comparisons." *Social Indicators Research*.

4. **Zang, Emma.**, Cameron D. Campbell. (2018). "Males' Later-Life Mortality Consequences of Coresidence with Paternal Grandparents: Evidence from Northeast China, 1789-1909." *Demography* 55 (2): 435-457.

– 2019 Graduate Student Research Paper Award, the Section on Asia & Asian America, American Sociological Association

3. **Zang, Emma.**, Hui Zheng. (2018). "Does the Sex Ratio at Sexual Maturity Affect Men's Later-life Mortality Risks? Evidence from Historical China." *Social Science & Medicine* 202: 61-69.
2. **Zang, Emma.**, Nan Dirk De Graaf. (2016). "Frustrated Achievers or Satisfied Losers in China? Inter- and Intra-generational Social Mobility and Happiness." *Sociological Science* 3: 779-800.
  - 2016 Alan C. Kerckhoff Award, the ISA Research Committee 28 on Social Stratification and Mobility
  - 2012 Best Thesis Award, Tongji University
1. Land, Kenneth., Qiang Fu., Xin Guo., Sun Jeon., Eric Reither., and **Emma Zang** ( *in alphabetical order, except for the first author* ). (2016). "Playing with the Rules and Making Misleading Statements: A Response to Luo, Hodges, Winship, and Powers." *American Journal of Sociology*, 122 (3): 1-12.

## UNDER REVIEW

\* denotes student or postdoc coauthor at the timing of writing

**Zang, Emma.** "The Spillover Effect of the Husband's Retirement on the Wife's Health in China." Revise and Resubmit at *Social Science & Medicine*.

Fu, Qiang., Xin Guo., Sun Jeon., Eric Reither., **Emma Zang**, Kenneth Land. "The Uses and Abuses of an Age-Period-Cohort Method: On the Linear Algebra and Statistical Properties of Intrinsic Estimators." Revise and Resubmit at *Sociological Methods & Research*.

**Zang, Emma.** "Women's Educational Attainment and Fertility in the United States among Generation Xers" Revise and Resubmit at *Population Studies*.

– 2018 Everett S. Lee Graduate Paper Award, Southern Demographic Association

**Zang, Emma.**, Justin T. Max\*. "A Bayesian Approach to Analyzing Group-Based Trajectories."

**Zang, Emma.**, James Z. Lee. "Industrial Segregation in the Choice of Majors across Five Decades: Evidence from Soochow University in China."

**Zang, Emma.** "Intra-Household Property Rights and Women's Well-being: Evidence from the 2011 Chinese Divorce Reform."

**Zang, Emma.**, Scott M. Lynch (*equal authorship*). "Bayesian Multistate Life Table Methods for Complex, High-Dimensional State Spaces: Development and Illustration of a New Method."

Lynch, Scott M., **Emma Zang** (*equal authorship*). "Regional Differences in Life Expectancy Disparities Between Populations With and Without Type 2 Diabetes in the United States."

Song, Xi., **Emma Zang**, Kenneth C. Land. "Intergenerational Association of Income Dynamics over the Life Course: A Group-Based Trajectory Approach."

Tan, Poh Lin., **Emma Zang**, Philip J. Cook. "Educational Externalities within the Family: Evidence from School Entry Laws."

## WORK IN PROGRESS

**Zang, Emma.** "Minorities, Inequality of Opportunities, and Mortality in Early Adulthood."

## INVITED PUBLICATIONS

### Book Chapters and Other Articles

Max, Justin T. and **Emma Zang**. "Semiparametric Methods." In *Encyclopedia of Gerontology and Population Aging*, Danan Gu and Matthew E. Dupre (eds.). New York: Springer, forthcoming.

**Zang, Xiaolu** and Michael E. Sobel. "Basic Sources of Demographic Data in China", *Statistics: Discovering your future power*. China Statistics Press, forthcoming.

Land, Kenneth C., Vicki L. Lamb, and **Xiaolu Zang**. (2017). "Scalability of Composite Indices: Complexity Complications and Findings from 15 Years of Monitoring Child and Youth Well-Being in the United States." In *Dealing With Complexity in Society: From Plurality of Data to Synthetic Indicators*, Giovanna Boccuzzo and Filomena Maggino (eds.). New York: Springer.

Land, Kenneth C., Vicki L. Lamb, and **Emma Zang**. (2017). "Objective and Subjective Indices of Well-Being: Resolving the Easterlin Happiness-Income Paradox." In *Metrics of Subjective Well-Being: Limits and Improvements*, Gael Brule and Filomena Maggino (eds.). New York: Springer.

### English-to-Chinese Translations

Chen, Shuang, **Xiaolu Zang**, and Yi Liu. (2013). "[China Multi-Generational Panel Dataset-Liaoning \(CMGPD-LN\) User Guide](#)"

**Zang, Xiaolu**. (2017). "Multivariate General Linear Models (Haase, Richard F., *Sage Quantitative Applications in the Social Sciences*, No. 170. Newbury Park: Sage. 2011)," Shanghai: Truth & Wisdom Press.

**Zang, Xiaolu**. (2017). "Maximum Likelihood Estimation: Logic and Practice (Eliason, Scott R., *Sage Quantitative Applications in the Social Sciences*, No. 96. Newbury Park: Sage. 1993)," Shanghai: Truth & Wisdom Press.

### Research Reports

Land, Kenneth C., Lamb, Vicki., and **Emma Zang**. (2015). "2015 Center for Child and Family Policy Child and Youth Well-Being Index (CWI) Report". Center for Child and Family Policy, Duke University.

Land, Kenneth C., Lamb, Vicki., and **Emma Zang**. (2016). "2016 Center for Child and Family Policy Child and Youth Well-Being Index (CWI) Report". Center for Child and Family Policy, Duke University.

Land, Kenneth C., Lamb, Vicki., and **Emma Zang**. (2017). "2017 Center for Child and Family Policy Child and Youth Well-Being Index (CWI) Report". Center for Child and Family Policy, Duke University.

## SELECTED POPULAR ARTICLES AND INTERVIEWS

2018, WUNC: [Life Expectancy Down For Gen-Xers and Millennials](#)

### In Chinese

**Zang, Xiaolu**. (2018). "Is it a Good Idea for Married Couples to Co-reside with Parents?" *The Ms-Muses on WeChat* (China's largest social media platform).

– Reprinted (selected): [The-Intellectual](#), [The Tencent](#)

**Zang, Xiaolu.** (2018). "Did the 2011 Chinese Divorce Reform Hinder the Progress of Gender Equality?" *yansu de renkouxue bagua* on WeChat (China's largest social media platform).

– Reprinted (selected): [The-Intellectual](#), [ThePaper.cn](#), [SINA.com](#)

## GRANTS

2018 Principal Investigator. Sanford Small Grant (\$800), Sanford School of Public Policy, Duke University

2017 Principal Investigator. Sanford Small Grant (\$700), Sanford School of Public Policy, Duke University

2016 Principal Investigator. Sanford Small Grant (\$500), Sanford School of Public Policy, Duke University

2015 Principal Investigator. Sanford Small Grant (\$500), Sanford School of Public Policy, Duke University

2015 Principal Investigator (Co-Investigator: Guangyu Tong). "Kinship network and social mobility in a preindustrial Chinese society", Graduate Student Research Grant (\$1500), Department of Sociology, Duke University.

2014 Principal Investigator. Sanford Small Grant (\$500), Sanford School of Public Policy, Duke University

2009-2012 Principal Investigator. "The Psychological Problems of Community Teenagers from Reconstituted Families", National Undergraduate Innovating Experimentation Project Number 0903277 (RMB 5000), Ministry of Education of the People's Republic of China.

## COMPETITIVE FELLOWSHIPS AND AWARDS

2019 Butler Williams Scholar, National Institute on Aging

2019 Graduate Student Research Paper Award, the Section on Asia & Asian America, American Sociological Association

2019 Chinese Government Award for Outstanding Self-Financed Students Abroad, China Scholarship Council

2018 Everett S. Lee Graduate Paper Award, Southern Demographic Association

2018 Conference Travel Award, Duke University Graduate School

2018 Travel Award, Paul and Marcia Wythes Center on Contemporary China, Princeton University

2018 Travel Award, Gender, Sexuality and Feminist Studies, Duke University

2018 Travel Award, Asian/Pacific Studies Institute, Duke University

2017 Kenan Graduate Fellowship, the Kenan Institute for Ethics, Duke University

2017 Scholarship, RAND Summer Institute, RAND Corporation

2016 Kerckhoff Award, the ISA Research Committee 28 on Social Stratification and Mobility

2016 Scholarship, Formal Demography Workshop, University of California, Berkeley

- 2016 Scholarship, Fragile Families Summer Data Workshop, Columbia University
- 2015-2018 Travel Award, Duke Population Research Institute
- 2015-2017 Summer Research Fellowship, Duke University
- 2014 Travel Award, Population Association of America
- 2014 Tilly Graduate Student Travel Award, Social Science History Association
- 2014 JK Swire Memorial Scholarship, University of Oxford (Declined)
- 2014 Doctoral Fellowship, Duke University
- 2013 Research Travel Award, HKUST
- 2012-2014 Research Postgraduate Studentship, HKUST
- 2012 Best Thesis Award, Tongji University
- 2012 Scholarship, China Multi-Generational Panel Data Series (CMGPD) Workshop
- 2012 Shanghai Most Outstanding Undergraduate, Shanghai Municipal Education Commission
- 2011 Erasmus Mundus Scholarship, European Commission
- 2011 Most Outstanding Graduate, Tongji University
- 2010 *Qing Nian Heng Hao* Chinese National Non-Profit Program Design Award
- 2009 Best Paper Award, Social Science Forum for Undergraduates in Shanghai
- 2009 Certificate of Chinese National Computer Rank Examination
- 2008-2012 Academic Merit Scholarship, Tongji University
- 2005 Chinese National High School Students Computer Science Contest Award

## TEACHING EXPERIENCE

### Instructor

SOCY 580, Introduction to Methods in Quantitative Sociology, Department of Sociology, Yale University (Fall 2019)

SOCY 581, Intermediate Methods in Quantitative Sociology, Department of Sociology, Yale University (Spring 2020)

SOC 333, Quantitative Analysis of Sociological Data, Department of Sociology, Duke University (2018 Summer)

### Teaching Assistant

PUBPOL 303, Microeconomic Policy Tools, Sanford School of Public Policy, Duke University (2018 Spring, 2019 Spring)

ECON 521, Evaluation of Public Expenditures, Sanford School of Public Policy, Duke University (2017 Fall, 2018 Fall)

SOSC 5240, Ethnicity, Social Science Division, Hong Kong University of Science and Technology (2013 Fall)

### Guest Lecturer

"The Theory of Consumer Choice", Microeconomic Policy Tools (Undergraduate), Sanford School of Public Policy, Duke University, 2018

"Introduction to Macroeconomics", Microeconomic Policy Tools (Undergraduate), Sanford School of Public Policy, Duke University, 2018

"Educational Inequality in Contemporary China", Social Change in Contemporary China (Undergraduate), Social Science Division, Hong Kong University of Science and Technology, 2013

## PROFESSIONAL SERVICE AND ACTIVITIES

### **Population Association of America**

Session Chair, Marital Relationships and Well-Being, the Population Association of America Annual Meeting in Austin, TX, United States, 2019

Session Discussant, Mathematical Demography, the Population Association of America Annual Meeting in Austin, TX, United States, 2019

Poster Session Judge, Health and Mortality I, the Population Association of America Annual Meeting in Austin, TX, United States, 2019

Session Discussant, Health Disparities and the Life Course, the Population Association of America Annual Meeting in Denver, CO, United States, 2018

### **International Sociological Association**

Session Chair, Migration and Ethnicity II, the Summer Meeting of the ISA Research Committee 28 on Social Stratification and Mobility in Bern, Switzerland, 2016.

### **Occasional Referee**

*European Sociological Review, Applied Research in Quality of Life, American Sociological Review, Journal of the American Statistical Association, Population Research and Policy Review, American Journal of Sociology, PLOS ONE*

### **Administrative Service**

Organizer, Graduate Research Workshop, Sanford School of Public Policy, Duke University, 2017-2018

Teaching Assistant Coordinator, Division of Social Science, HKUST, 2013-2014

President, School of Politics and International Relations Student Union, Tongji University, 2010-2011

Standing Committee Member, Tongji University Student Congress, 2011-2012

## INVITED TALKS

2018 Vanderbilt University, Department of Sociology

2018 Yale University, Department of Sociology

2018 New York University, Department of Sociology

2018 Utah State University, Department of Sociology

2018 National University of Singapore, Department of Sociology

2018 McGill University, Department of Sociology

2018 New York University Abu Dhabi, Social Research and Public Policy

## SELECTED CONFERENCE PRESENTATIONS

**Zang, Emma.** "Minorities, Inequality of Opportunities, and Mortality in Early Adulthood."

- Panel presentation at the Interdisciplinary Association for Population Health Science Annual Meeting, Seattle, USA, 2019

**Zang, Emma.** "The Spillover Effect of the Husband's Retirement on the Wife's Health in China."

- Panel presentation at the Annual Conference of the International Chinese Sociological Association, New York, USA, 2019

Fu, Qiang., Xin Guo., Sun Jeon., Eric Reither., **Emma Zang**, Kenneth Land. "The Uses and Abuses of an Age-Period-Cohort Method: On the Linear Algebra and Statistical Properties of Intrinsic and Related Estimators"

- Panel presentation at the 114th Annual Meeting of American Sociological Association, New York, USA, 2019
- Panel presentation at the Annual Meeting of the Canadian Population Society, Vancouver, Canada, 2019

**Zang, Emma**, Scott M Lynch. "Regional Differences in Life Expectancy Disparities Between Populations With and Without Type 2 Diabetes in the United States."

- Panel presentation at the Interdisciplinary Association for Population Health Science Annual Meeting, Seattle, USA, 2019
- Panel presentation at the 114th Annual Meeting of American Sociological Association, New York, 2019

**Zang, Emma.**, Justin T. Max. "A Bayesian Approach to Analyzing Group-Based Trajectories."

- Panel presentation at the 113th Annual Meeting of American Sociological Association, Philadelphia, USA, 2018

Tan, Poh Lin., **Emma Zang**, Philip Cook. "Educational Externalities within the Family: Evidence from School Entry Laws."

- Panel presentation at the Summer Meeting of the ISA Research Committee 28 on Social Stratification and Mobility, Princeton, USA, 2019
- Panel presentation at the joint conference for the ISA Research Committee 06 on Family and Research Committee 41 on Population, Singapore, 2018

Song, Xi., **Emma Zang**, Kenneth C. Land. "Intergenerational Association of Income Dynamics over the Life Course: A Group-Based Trajectory Approach."

- Panel presentation at the 113th Annual Meeting of American Sociological Association, Philadelphia, USA, 2018
- Panel presentation at the Population Association of America 2017 Annual Meeting, Chicago, USA, 2017

**Zang, Emma.**, Scott M. Lynch. "Bayesian Multistate Life Table Methods for Complex, High-Dimensional State Spaces: Development and Illustration of a New Method."

- Panel presentation at the 114th Annual Meeting of American Sociological Association, New York, USA, 2019
- Panel presentation at the Population Association of America 2018 Annual Meeting, Denver, USA, 2018

**Zang, Emma.** "Intra-Household Property Rights and Women's Well-being: Evidence from the 2011 Chinese Divorce Reform."

- Panel presentation at the Summer Meeting of the ISA Research Committee 28 on Social Stratification and Mobility, Princeton, USA, 2019

- Panel presentation at the 114th Annual Meeting of American Sociological Association, New York, USA, 2019
- Panel presentation at the Population Association of America 2018 Annual Meeting, Denver, USA, 2018
- Panel presentation at the Annual Conference of the International Chinese Sociological Association, Princeton, USA, 2018
- Panel presentation at the Annual Conference of the Southern Demographic Association, Durham, USA, 2018

**Zang, Emma.** "Women's Educational Attainment and Fertility in the United States among Generation Xers."

- Panel presentation at the Annual Conference of the Southern Demographic Association, Durham, USA, 2018
- Panel presentation at the Population Association of America 2018 Annual Meeting, Denver, USA, 2018
- Panel presentation at the 112th Annual Meeting of American Sociological Association, Montreal, Canada, 2017
- Panel presentation at the Summer 2017 Meeting of the ISA Research Committee 28 on Social Stratification and Mobility, New York, USA, 2017

Land, Kenneth C., Vicki L. Lamb, **Emma Zang.** "The History of Well-Being of Children in the United States: 21st Century Trends by Gender, Race/Ethnicity, and Developmental Stages."

- Panel presentation at the 16th International Society for Quality of Life Studies (ISQOLS) Annual Conference, Hong Kong, 2018

**Zang, Emma.,** Hui Zheng, Claire Y. Yang, Kenneth C. Land. "Revisiting Rising Mortality in Midlife Among Non-Hispanic Whites: An Age-Period-Cohort Perspective."

- Panel presentation at the Annual Conference of the Southern Demographic Association, Durham, USA, 2018
- Panel presentation at the Population Association of America 2017 Annual Meeting in Chicago, USA, 2017
- Panel presentation at the 112th Annual Meeting of American Sociological Association, Montreal, Canada, 2017

**Zang, Emma.,** Nan Dirk De Graaf. "Frustrated Achievers or Satisfied Losers? Inter- and Intra-generational Social Mobility and Happiness in China."

- Panel presentation at the Summer 2016 Meeting of the ISA Research Committee 28 on Social Stratification and Mobility, Bern, Switzerland, 2016
- Panel presentation at the 109th Annual Meeting of American Sociological Association, San Francisco, USA, 2014

**Zang, Emma.,** Hui Zheng. "Does the sex ratio at sexual maturity affect men's later life mortality risks? Evidence from Northeast China, 1789-1909."

- Panel presentation at Annual Meeting of the Social Science History Association, Chicago, USA, 2016
- Panel presentation at the 110th Annual Meeting of American Sociological Association, Chicago, USA, 2015

Land, Kenneth., Vicki Lamb, **Emma Zang.** "Scalability of Composite Indices: Complexity Complications and Findings from 15 Years of Monitoring Child and Youth Well-Being in the United States."

- Keynote Presentation at the International Sociological Association Research Committee 55: Social Indicators Mid-Term Conference and Satellite Meeting of the Italian Statistical



Society 2015 Conference "Statistics and Demography: The Legacy of Corrado Gini",  
University of Padua, Palazzo Bo, 2015

**Zang, Emma.**, James Z. Lee. "Industrial Segregation in the Choice of Majors across Five Decades: Evidence from Soochow University in China."

- Panel presentation at the Summer 2016 Meeting of the ISA Research Committee 28 on Social Stratification and Mobility, Bern, Switzerland, 2016
- Panel presentation at the Summer 2015 Meeting of the ISA Research Committee 28 on Social Stratification and Mobility, Philadelphia, USA, 2015
- Panel presentation at Rewriting the Past: Historical Big Data and a Scholarship of Discovery, the Hong Kong University of Science and Technology, Hong Kong, 2014

**Zang, Emma.**, Cameron Campbell. "Later Life Mortality Consequences of Co-residence with Grandparents: Evidence from Northeast China, 1749-1909."

- Panel presentation at Annual Meeting of the Social Science History Association, Toronto, Canada, 2014
- Panel presentation at the Population Association of America 2014 Annual Meeting, Boston, USA, 2014

**Zang, Emma.** "Class Identification, Subjective Social Mobility and Self-rated Health: A Comparison of China and the United States."

- Panel presentation at the Spring 2013 Meeting of the ISA Research Committee 28 on Social Stratification and Mobility, Trento, Italy, 2013

## PROFESSIONAL AFFILIATIONS

Association for Public Policy Analysis & Management (APPAM)

The Gerontological Society of America (GSA)

Interdisciplinary Association for Population Health Science (IAPHS)

Population Association of America (PAA)

American Sociological Association (ASA)

ISA Research Committee 28 on Social Stratification and Mobility (RC28)