

# BOYAN ZHENG

1180 Observatory Dr., Room 7106 ◊ Madison, WI 53706  
(312) · 315 · 3078 ◊ bzheng9@uchicago.edu

## EDUCATION

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- University of Wisconsin-Madison** *Aug, 2019-*  
Ph.D. Student in Sociology  
Advisor: Marcy Carlson
- University of Chicago** *Sept, 2017-Aug, 2018*  
GPA: 3.93/4.0  
M.A. with Concentration in Sociology  
Thesis: Chinese Concerted Cultivation: The Determinants of Parenting and Its Effects on Children's Cognitive Development from a Multigenerational Perspective  
Advisor: Xi Song
- University of Illinois at Urbana-Champaign** *Aug, 2013-May, 2017*  
GPA: 3.94/4.0  
B.A. in Sociology & Psychology  
Magna Cum Laude Graduates & Highest Distinction in the Sociology Department  
Advisor: Monica McDermott

## ACADEMIC PROFESSIONS

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- Center for Demography and Ecology** *Aug, 2019-*  
*Madison, WI*  
· Research Analyst, Dr. Louise Hawkey
- NORC at the University of Chicago** *Sept, 2018-June, 2019*  
*Chicago, IL*  
· Research Assistant, Dr. Jason Fletcher

## PUBLICATION

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- Hawkey, Louise, **Boyan Zheng**, Eric Hedberg, Megan Huisingh-Scheetz, and Linda Waite, "Cognitive Impairment in Older Adults Receiving Care Reduces Well-Being Among Spouse Caregivers," *Psychology and Aging*, forthcoming

## WORK IN PROGRESS

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- Hawkey, Louise, **Boyan Zheng**, and Xi Song, "The Impact of Negative Wealth Shock on Loneliness in Older Adults: Different During the Great Recession?"
- Song, Xi, Xiaolu Zang, Kenneth C. Land and **Boyan Zheng**, "Intergenerational Mobility Table Revisited: A Trajectory Group Perspective"
- Song, Xi and **Boyan Zheng**, "Multivariate Mixed-Effects Location-Scale Model"
- Zheng, Boyan**, "Party Membership and Upward Job Mobility during the Market Transition of China: A Multigenerational Perspective," in progress, instructed by Dr. Kazuo Yamaguchi.
- Zheng, Boyan** and Louise Hawkey, "Parent-Child Relationship and Older Populations's Psychological Well-being: a Study Based on Network Approach"

## CONFERENCE PRESENTATION

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Hawkley, Louise, **Boyan Zheng**, and Xi Song “Loneliness and Behavioral Consequences of Negative Wealth Shock in Older Adults: Different during the Recession?” Regular Session 95, the 2019 Annual Meeting of the Population Association of America, Austin, TX.

**Zheng, Boyan**, “Chinese Concerted Cultivation: The Determinants of Parenting and Its Effects on Children’s Cognitive Development from a Multigenerational Perspective” Regular Session 65, the 2019 Annual Meeting of the Population Association of America, Austin, TX.

## HONOR AND AWARD

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### **University of Illinois at Urbana Champaign**

Magna Cum Laude Graduates

Highest Distinction in the Sociology Department

Member of Alpha Kappa Delta Branch

### **University of Chicago**

Social Sciences Scholarship of Half Tuition

## STATISTICAL TRAINING AND SKILLS

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**Statistical Tools with Proficiency** Stata, R, Mplus, Latent Gold, SPSS

### **Longitudinal Data Analysis**

- Mixed Effect Model (Linear and Generalized), Covariance Pattern Model, Generalized Estimating Equation, Correlated Random Effect Model, Fixed Effects Model, Hybrid Model,

### **Causal Inference Method**

- Propensity-score based Methods: Propensity Score Matching, Propensity Score Stratification, Inverse Probability Treatment Weighting, Mean Weighting through Stratification, Marginal Structural Model
- Instrumental Variable Approach, Regression Discontinuity Design, Difference-in-Difference

### **Structural Equation Model**

- Linear Structural Equation Model Approach: Path Model, Measurement Model, Latent Variable Modelling, Factor Analysis, Growth Curve Models, Grouped Models and Structural Invariance Modelling
- Generalized Structural Equation Model: Multivariate Mixed Effect Model, Endogenous Selection Model, Latent Covariate Model

### **Event-History Analysis**

- Discrete-Time Logit Model, Log-Rate Models, Cox Proportional Hazard Model, Accelerated Failure Time Model, Latent Frailty Model, Latent Class Event History Model
- Competing Risk Methods: Multinomial Competing Risk Model, Nested-Logit Competing Risk Model

### **Others**

*SOCI 40212 Demographic Method; Self-Learn through Research Experience*

- Demographic Method: Demographic Rates Calculation, Life-Table Construction, Multiple Decremental Process, Population Projection, Demographic Decomposition
- Constructing Bayesian Models with Arbitrary Complexity using Rstan