

Yemiao Ke

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EDUCATION

Stony Brook University Stony Brook, NY
Ph.D. in Economics May 2024 (Expected)
Dissertation: *Female Labor Supply And Family Choices*
Advisor: Steven Stern

Peking University Beijing, China
Double Major: M.S. in Economics and M.S. in Finance Jun 2012

Beihang University Beijing, China
B.S. in Aeronautical Engineering Jun 2009

RESEARCH EXPERIENCE

Stony Brook University Stony Brook, NY
Ph.D. Candidate, Department of Economics Jun 2019 – Present

- Conducted significant research in applied labor economics and societal dynamics, utilizing advanced statistical learning methodologies and programming languages.
- Extracted, processed, and analyzed large datasets derived from the National Longitudinal Survey of Youth, the National Health and Aging Trends Study, and other sources.
- Applied machine learning techniques such as Lasso penalties, random forest, and clustering algorithms like K-means to extract features, predict labor supply, and study marital dynamics.
- Developed sophisticated predictive models including a dynamic multinomial logistic regression model, a generalized Cox proportional hazard model, and a Correlated Tobit model.
- Utilized Python, Fortran, Stata, and R for extensive data analysis, while employing high-performance computing clusters for model estimations and simulations.
- Evaluated the impact of policy changes on women's welfare, predicted marriage and divorce likelihood for individuals, and forecasted the potential increase in monthly care hours for the elderly in an aging society.

Working Paper

Lemons In the Marriage Market (with Steven Stern and Zhuotong Xie)
The Impact of Informal Care on Formal Care Utilization among Elderly Americans (with Yun Zhang)

PRESENTATIONS

GSA 2023 Annual Scientific Meeting (Nov 10, 2023)
The Impact of Informal Care on Formal Care Utilization among Elderly Americans

TEACHING EXPERIENCE

Stony Brook University Stony Brook, NY
Instructor, Department of Economics Jan 2021 - Present

- Designed and taught course on money and banking, as well as corporate finance, for a diverse group of 70 students

- Delivered comprehensive instruction on utilizing analytical tools for financial data analysis, enhancing students' practical skills in this field

Stony Brook University

Graduate Teaching Assistant, Department of Economics

Stony Brook, NY

Sep 2017 – Dec 2020

- Instructed weekly recitations on advanced topics in PhD-level microeconomics, providing comprehensive guidance to students
- Evaluated assignments, and delivered constructive feedback to foster academic growth

PROFESSIONAL EXPERIENCE

China Development Bank

Debt Underwriting Commercial Banker, Sichuan Branch

Chengdu, China

Jul 2012 - Dec 2015

- Prepared detailed credit analyzes and required credit application according to bank policy and regulation requirements
- Participated and presented at the bank's credit committee
- Coordinated with prospective clients and prepared presentation for bank services and products
- Prepared monthly team report and client report to senior management

TECHNICAL SKILLS

Python, R, SQL, Stata, Fortran, SAS

REFERENCES

- Steven Stern
Professor
Department of Economics, Stony Brook University
steven.stern@stonybrook.edu
(631) 632-1328
- Hugo Benitez-Silva
Associate Professor, Undergraduate Program & MA Program Director
Department of Economics, Stony Brook University
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(631) 632-7551
- YiYi Zhou
Associate Professor
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