

# Xiaolin Shi

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Personal Website: <http://www.xiaolinshi.info>

## Summary

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- Over ten years of teaching experience. Teaching a variety of both graduate and undergraduate level economics courses.
- A creative and energetic data scientist and economic consultant with working experience in the financial industry and transnational enterprise.
- Proficient in labor and demographics economic analysis, economic and financial modeling, and forecasting.

## Education

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**Northeastern University** – Boston, MA September 2016  
Ph.D. in Economics

**Northeastern University** – Boston, MA May 2011  
M.A. in Economics

## Teaching Experience

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**Assistant Teaching Professor** Fall 2021 - now  
**Northeastern University**  
Economics Department

- Graduate Level Course: Microeconomics.
- Undergraduate courses: Applied Econometrics, Principle of Microeconomics, Principle of Macroeconomics, Statistics, Intermediate Microeconomics

**Adjunct Professor** Fall 2018 - now  
**Northeastern University**  
D'Amore McKim School of Business & Economics Department

- Graduate Level Course: Information Analysis.
- Undergraduate courses: Applied Econometrics, Principle of Microeconomics, Principle of Macroeconomics, Business Statistics.

**Adjunct Professor** Spring 2019 - now  
**Bentley University**  
Economics Department; Mathematics Department

- Graduate Level Course: Price Strategy and Game Theory.
- Undergraduate courses: Principle of Microeconomics and Macroeconomics, and Business Statistics.

**Full-Time Teaching Professor**  
**City University of New York Queens College - USST** 2017

- Undergraduate courses: Principles of Economics and Business Statistics.

**Teaching Instructor (on-line live)**  
**Learning Lab International** – Boston, MA 2016 – 2018

- On-line courses: Various topics in Economics, Micro/Macroeconomics Theory Statistics, Econometrics, and English for the students who intend to go to the U.S. to pursue their further study on behalf of an educational institute, Learning Lab International.

**Lecturer**  
**Northeastern University** – Boston, MA 2014 – 2016

- Undergraduate courses: Principles of Macroeconomics and Principles of Microeconomics.

## Research and Professional Experience

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### Research Director

**Ciprun Global, Inc** – Boston, MA

March 2018 - now

- Assisting in building up the business model.
- Understand the U.S. and global markets for Intellectual Property (Patent, Trademark, and Copyright).
- Research on how the U.S. IP market interrelated to the CIPRUN Global's business model.
- Work on the integration of the U.S. and Globalized IP markets.
- Conducting both the practical market research and empirical research leveraging the available IP information and database.
- Conducting the IP related market research by working with U.S. corporations, IP law firms, universities, and individual inventors.

### Strategic Researcher Intern

**State Street Global Advisors** – Boston, MA

2016

- Obtained 20+ years' Time Series data for 30+ investment strategies utilizing Factset and Bloomberg terminal.
- Quantitatively tested investment managers' selection criteria based on their past performance and risk factors, i.e., value, momentum, quality, size and low volatility utilizing Stata and Matlab.
- Designed linear and non-linear regression models to estimate investment managers' Advanced Beta exposures.
- Computed the weight for each investment strategy's significant factor exposures using Sharpe Optimization Technique.
- Generated Secondary Benchmark based on the investment strategies' Advanced Beta exposures.
- Designed Time Series models to forecast investment strategies' future performance in different market environment.
- Created the internally publishable report and presented it in front of the entire group of 30+ people globally.

### Research Assistant

**The Brookings Institution** – Boston, MA

2013

Conducted research for William Dickens, Senior Fellow in Economic Studies at The Brookings Institution, which provided research, education, innovative and practical recommendations in the social sciences, primarily in economics, metropolitan policy, governance, global economy and development.

- Modeled structural mismatch in the US labor market for presentation at the Boston Federal Reserve Bank.
- Created a large database for a meta-analysis on the relationship between IQ and economic growth.
- Manipulated dataset of 20+ gigabytes for the project and conducted statistical analysis, ran simulation models using Stata.
- Performed analysis of large non-aggregated data sets, identified data anomalies, recurring trends, and relationships between different data pools to provide actionable insights.

### Research Analyst

**Northeastern University** – Boston, MA

2010 – 2012

- Performed profiling and analysis of existing and prospect students leveraging demographics and internal survey data to evaluate and improve College's attractiveness within prospect students; presented results to senior management.
- Conducted literature review and database management using Stata.
- Provided actionable ad-hoc data analysis for senior management and updated recurring data reports.

### Accountant and Order Processing Manager

**Bruker Daltonics Inc. Beijing Office** – Beijing, China

June 2006 – April 2009

Served as a member of Finance Department of one of the leading research instrument producers in the country. Supported monthly accounting close, financial reporting, budgeting, and letter of credit issuing.

- Issued, reviewed the letter of credit and conducted ongoing oversight.
- Prepared monthly reports on company's fixed O&M expenses utilizing SQL queries, Excel/Access.
- Reviewed the Company's business expenses by department and life-of-project expenditures on a weekly/monthly basis and provided feedback to management on actual or potential budget overruns.
- Conducted data analyses to do the short/long term forecasting of next quarter/year's expenses and revenue.
- Assisted management and senior staff in monthly accounting close, producing financial analysis reports, balance sheet, and cash flow reports. Prepared monthly/quarterly actual vs. budget reports on company's fixed expenses.

## Publication

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“A Comparative Study of Postgraduate Credit Transfer System in Several Universities in China and the United States”, *Journal of Advances in Education and Philosophy*, Vol.3, Iss3 (2019), pp 125-137.

“How Does Social Assistance Affect Family Expenditures? - The Case of Urban China”, *Scholars Journal of Economics, Business and Management*, Vol.-6, Iss.-3, ( March 2019)

“The Health Implications of Grandparents Co-Residing with Their Grandchildren”, *International Journal of Arts and Sciences*, Vol. 9, No. 3, (2016) pp. 247-260.

“How Does Body Image Dissatisfaction Affect Adolescent Girls’ Self-Esteem Level? The Case of China”, *Canadian International Journal of Social Science and Education*, Vol. 14, (January 2018) pp. 135-145.

“The Impact of Mother’s Anxiety Level on the Sex of the Baby”, *Canadian International Journal of Social Science and Education*, Vol. 14, (January 2018) pp. 291-296.

## Finished paper under the process of publication

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- The Birth of Grandchildren and Grandparents’ Retirement Decision (JMP)  
Empirical Strategy: Differences-in-Differences (DD) Probit Regression Design
- How Does Social Assistance Affect Family Expenditures? The Case of Urban China  
Empirical Strategy: Propensity Score Matching; Altonji’s Bounding technique
- The Health Implications of Grandparents Co-Residing with Their Grandchildren  
Empirical Strategy: Differences-in-Differences (DD) methodology; Regression Discontinuity (RD) Design

## Selected Awards and Fellowships

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- International Society for the Scholarship of Teaching and Learning membership, U.S., 2019
- CEM (Center for Emerging Market) faculty member at D’Amore-McKim School of Business, 2019
- Omicron Delta Epsilon (ODE) membership, U.S. 2012
- Teaching Assistantship at Northeastern University, U.S. 2011-2016
- Golden Key International Honor Membership, U.S. 2010-present