

Xiaolin Shi

Education

Northeastern University – Boston, MA

September 2016

Ph.D. in Economics

Northeastern University – Boston, MA

May 2011

M.A. in Economics

Teaching Experience

Part-Time Professor

Northeastern University

2018-now

taught undergraduate courses: Business Statistics

Main subjects for Business Statistics include: Levels of Measurement, Frequency Distributions, Describing Data using Numerical Measures, Describing the relationship between variables, Probability Concepts, Empirical Probability, Principles of Counting, Various discrete and continuous Probability Distributions, Sampling Methods and the Central Limit Theorem, Estimation and Confidence Intervals, One-Sample and Two-Sample Tests of Hypothesis, Analysis of Variance, Correlation and Linear Regression, Multiple Regression Analysis.

Teaching Professor

City University of New York Queens College

2017

taught undergraduate courses: Principles of Economics (Micro and Macroeconomics) and Business Statistics

Main subjects for Principle of Economics include: Supply, Demand and Government Policies; Elasticity and its Application; Externalities; Competitive Market; Monopoly; Oligopoly; Monopolistic Competition; The Theory of Consumer Choice; Measuring a Nation's Income and Cost of Living; Saving, Investment, and the Financial System; The Basic Tools of Finance; Unemployment; The Monetary System; Aggregate Demand and Aggregate Supply; Monetary and Fiscal Policy; Short-Run Trade-off Between Inflation and Unemployment; Long-Run Economic Growth.

Main subjects for Business Statistics include: Levels of Measurement, Frequency Distributions, Describing Data using Numerical Measures, Describing the relationship between variables, Probability Concepts, Empirical Probability, Principles of Counting, Various discrete and continuous Probability Distributions, Sampling Methods and the Central Limit Theorem, Estimation and Confidence Intervals, One-Sample and Two-Sample Tests of Hypothesis, Analysis of Variance, Correlation and Linear Regression, Multiple Regression Analysis, Index Numbers, Time Series and Forecasting, Nonparametric Methods.

Teaching Instructor (online live)

Learning Lab International (cofounder of this institute) – Boston, MA

2016 – now

Teaching online courses: Economics, 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

2015

taught undergraduate courses: Principles of Macroeconomics (Econ 1115)

Main subjects include: Supply, Demand and Government Policies; Elasticity and its Application; Externalities; Competitive Market; Monopoly; Oligopoly; Monopolistic Competition; The Theory of Consumer Choice; Measuring a Nation's Income and Cost of Living; Saving, Investment, and the Financial System; The Basic Tools of Finance; Unemployment; The Monetary System; Aggregate Demand and Aggregate Supply; Monetary and Fiscal Policy; Short-Run Trade-off Between Inflation and Unemployment; Long-Run Economic Growth and etc.

Recitation Lecturer**Northeastern University** – Boston, MA

2012 –2016

Led the recitation for undergraduate courses: Principle of Microeconomics (Econ 1114); Principle of Macroeconomics (Econ 1115); Microeconomic Theory (Econ 1116).

Teaching Assistant**Northeastern University** – Boston, MA

2011 –2012

Led the exam reviews and graded assignments and exams for the graduate course Behavioral Economics (Econ 7200) and Macroeconomic Theory (Econ 2315)

Professional Experience**Research Director****CIPRUN Global, Inc** – Boston, MA

2018-Now

- Assisting in building up the business model;
- Understanding the U.S. and global markets for Intellectual Property (Patent, Trademark, and Copyright);
- Research on how the U.S. IP market interrelates to the CIPRUN Global's business model;
- Working 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**State Street Global Advisors** – Boston, MA

2016

Worked as a member of Manager Oversight Team within the Investment Solutions Group that is responsible for interviewing and selecting investment managers, conducting investment manager research, due diligence and ongoing oversight. Significantly contributed to the Company's ability to satisfy their asset allocation requirements and provided management and oversight with the necessary information to make investment decisions.

- 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

"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.

The Finished paper under the process of publication

- 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

- 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