SOPHIA ZHENGZI LI

Department of Finance
Michigan State University
East Lansing, MI 48824, USA

http://broad.msu.edu/facultystaff/lizhengzi/
zhengzi@msu.edu, (919) 257-0577
Updated April 15, 2014

ACADEMIC APPOINTMENT

Michigan State University, Broad College of Business, East Lansing, MI, USA
Assistant Professor of Finance — August 2013 – Present

EDUCATION

Duke University, Department of Economics, Durham, NC, USA
Ph.D. in Economics — May 2013
Committee: Tim Bollerslev (chair), Andrew Patton, George Tauchen, Shakeeb Khan

Nankai University, School of Mathematical Science, Tianjin, China
B.S. in Mathematical Statistics — July 2007

AREAS OF SPECIALIZATION

Asset Pricing, Financial Econometrics, Market Microstructure, Credit Derivatives

WORKING PAPER

1. “”Roughing up the CAPM: Jump Betas and the Cross-Section of Expected Stock Returns”, with Tim Bollerslev, R&R ***Journal of Finance***; *First Prize, Morgan Stanley Prize for Excellence in Financial Markets, 2012.*
2. “Jump Tail Dependencies in the Chinese Stock Market”, with Hao Wang and Hua Zhao.

PUBLICATION

3. “Jump Tails, Extreme Dependencies and the Distribution of Stock Returns”, with Tim Bollerslev and Viktor Todorov, ***Journal of Econometrics***, 172 (2013): 307-324.
4. “Efficient Gaussian Graphical Model Determination under G-Wishart Prior Distributions”, with Hao Wang, ***Electronic Journal of Statistics***, 6 (2012):168-198.

WORK IN PROGRESS

5. “Dissecting the Temporal Variation in Aggregate Stock Market Volatility”, with Tim Bollerslev and Ben Bingzhi Zhao.
6. “Improved Intraday Volume Profile Forecasting for Algorithmic Trading”, with Kathryn Zhao.

RESEARCH EXPERIENCE

Research Assistant
- Professor Tim Bollerslev, Duke Economics and Finance — 2010 – 2013
- Professor Viktor Todorov, Northwestern Finance — 2010 – 2011
- Professor Atila Abdulkadiroglu, Duke Economics — 2009 – 2010

- Professor Parag Pathak, MIT Economics 2009 – 2010
- Professor George Tauchen, Duke Economics and Finance 2008 – 2009
- Professor Adriano Rampini, Duke Finance 2008
- Professor Bill Mayew, Duke Accounting 2007 – 2008

Summer Quantitative Associate
- JP Morgan, Linear Quantitative Research (Algorithmic Trading), Hong Kong May – Aug 2012

External Compensated Consultant
- Itaú Unibanco, Itaú BBA (Investment banking division), São Paulo Apr 2012 – 2013

Research Fellow
- Program on Global Health and Technology Access, Duke University May – Aug 2009

TEACHING EXPERIENCE

Instructor, Department of Finance, Michigan State University
- Introduction to Investments Spring 2014

Instructor, Department of Economics, Duke University
- Introduction to Econometrics (Evaluation: 4.5/5.0) Summer 2010

Teaching Assistant, Department of Economics, Duke University
- Financial Markets and Investment Fall 2012
- Research Seminar on High-Frequency Financial Data Analysis Spring 2011, 2012
- Financial Derivatives & Engineering Spring 2012
- Ph.D. Math Camp Summer 2010, 2011
- Real Analysis for Economists Summer 2011
- Introduction to Econometrics Summer 2008

Teaching Assistant, Department of Statistics, Duke University
- Probability/Statistical Inference Fall 2008
- Statistics and Probability Spring 2008

GRANTS AND AWARDS

- First Prize, Morgan Stanley Prize for Excellence in Financial Markets 2012
- National Social Science Foundation of China Research Grant on "Jump Risk and Extreme Dependence of Stock Market" (Co-PI) 2011
- Duke Graduate School Summer Research Fellowship 2011, 2012
- National Institute of Health Research Fellowship 2009
- Economics Department Scholarship, Duke University 2007 – 2013
- Scholarships for Academic Distinction, Nankai University 2004, 2005, 2006, 2007

SEMINAR AND CONFERENCE PRESENTATIONS

2013: Louisiana State University Finance; National University of Singapore Economics; University of New South Wales Finance; University of Cincinnati Finance; Georgetown University Finance; Federal Reserve Board; Michigan State University Finance; The Brattle Group; PanAgora Asset Management; Shanghai Advanced Institute of Finance; Chinese University of Hong Kong Finance; Tsinghua PBC

School of Finance; Imperial College London Finance; FMA Annual Meeting, Chicago; University of South Carolina Finance

2012: JP Morgan Quantitative Research; Federal Reserve Bank of Richmond; Triangle Econometrics Conference; Morgan Stanley Strats & Modeling

REFEREEING ACTIVITY

Journal of Empirical Finance, The Financial Review

SKILLS AND OTHER INFORMATION

- Computer: MATLAB, R, SAS, STATA, Mathematica, Eviews, LaTeX, MS-Excel
- Database: Trade and Quote (TAQ), CRSP, Compustat, Reuters, Limit Order Book
- Language: English and Chinese

REFERENCES

Tim Bollerslev, Juanita & Clifton Kreps Professor of Economics and Professor of Finance, Duke University
Box 90097, Durham, NC 27708
Phone: (919) 660-1846
Email: boller@econ.duke.edu

Andrew Patton, Professor of Economics and Finance, Duke University
Box 90097, Durham, NC 27708
Phone: (919) 660-1849
Email: andrew.patton@duke.edu

Charles Becker, Associate Department Chair and Research Professor of Economics, Duke University
Box 90097, Durham, NC 27708
Phone: (919) 660-1885
Email: cbecker@econ.duke.edu