SHEN ZHANG

389 Cross Creek Road, Apt 370J, Central, SC, 29630
(530) 304-8117
szhang5@g.clemson.edu

EDUCATION

Clemson University   Aug. 2016 -Present
Ph.D. Candidate in Economics

University of California, Davis   Sep. 2014 - Dec. 2015
Master of Science in Statistics

University of Minnesota, Twin Cities   Sep. 2012 - June 2014
Bachelor of Arts in Statistics

Shandong University of Finance and Economics (China)   Sep. 2010 - June 2012
Bachelor of Arts in Finance

PROFESSIONAL EXPERIENCE

Graduate Student Researcher   Oct. 2016 - Dec. 2017

Department of Economics, Clemson SC

Wage and Marital Status Project:

- Posit correlations of wage and marital status theoretically
- Meticulous data cleaning, missing data imputation and cross-validation
- Application of bivariate probit model and find causal effects

Graduate Student Researcher   March 2015 - June 2015

Department of Statistics, Davis CA

Crime Data Project:

- Supervised and unsupervised learning approaches for the prediction of crime levels
- Meticulous data cleaning, missing data imputation and cross-validation
- Application of KNN, PCA, LASSO, Random Forest, MARS, Neural Network, SVM, Boosting

Game Recommendation System Project:

- Collected steam data with Application Programming Interface by web scraping
- Proposed feature extraction method for better classification by PCA

Writer for a Chapter of a Text Book   Mar. 2013- May 2013

Department of Mathematics, Minneapolis MN

- Wrote the textbook chapter on continuous function with proofs and illustrative examples
- Instructed to new students and assisted with quiz questions

Data scientist   2012, 2013

Shandong Institute of water resources, Shandong China

- Assisted the policy design and evaluation for reservoir immigrant
- Designed research framework for welfare analysis and sampled scheme for data collection
- Data analysis and proposed policy report to authorities for welfare of the village immigrant

ACADEMIC ACHIEVEMENTS

Patent

- Lixin Zhang, Yong Li, **Shen Zhang**, Jingtao Niu, Haiyang Yu. 2015. Multifunctional Cart for Construction Airbag Replacement and Recycling. China CN103850271A, filed March 08, 2014 and issued October 07, 2015

Publication

- SHEN, Z. (2015). Analysis of the Correlation Between Population Growth and Economic Development in Asian Countries. Cross-Cultural Communication Vol. 11, No. 11, 2015, pp. 6-11 DOI:10.3968/7899.

Working Paper

- Research of RMB Exchange Rate Pass-Through on Inflation

  Abstract: by applying Li Keqiang Index as the proxy variable of GDP, this paper investigates the interaction between exchange rate and inflation of China. Providing that the GDP data is criticized to be manipulated, Li Keqiang Index is believed to be a more reliable variable to account for Chinese economy, which consists of 40% electricity power consumption, 35% bank loans and 25% rail freight. The result of VAR impulse response and Granger causality analysis suggests that exchange rate transfers negative impact on both CPI and PPI, but the effect of IPI is not significant, which justifies the economic impact through restricted international capital flow.

HONORS AND AWARDS

	2017
China Invention Patent	2015
Soft Science Outstanding Achievement of Shandong, China	2014
Dean's List – University of Minnesota	2013
Dean's List – University of Minnesota	2012
The second prize of Go (Weiqi) match – University Level, China	2010

OTHER EXPERIENCE

Statistical Analysts Intern   Shandong China, May 2016- July. 2016
Orient Asset Management Corporation

- Collected data for non-performing asset
- Used KNN method to analyze the common part of non-performing assets
- Helped the manager improve efficiency to handle non-performing assets based on the group results of KNN methods

General Services Intern   Shandong China, June 2014- Sep. 2014
NEC Corporation

- Arranged meetings every week for general manager
- Booked flight tickets or hotels for employees on business trips
- Distributed quarterly assignments and other documents for apartments and residents

Director in the School Go Association   Shandong China, 2010-2011
University Go Association
- Responded to teach new members and standard daily training
- Organized school Go matches
- Invited coach to give guidance to advanced members

SKILLS

Languages	Chinese (Native)
	English (Fluent)
Software	R, SAS, C++, Matlab, LaTeX, SQL, Python

COURSEWORK

Economics	Microeconomic Theory, Price Theory, Econometrics, Math Economics,Advanced Economic Concepts and Application,Dynamic Macroeconomics Intermed Macro Theory, Monetary Banking, Fundamentals of Accounting, Public Finance, Advertising, Investment
Statistics	Theory of Statistics, Data Analysis, Multivariate Data Analysis, Applied Regression Analysis, Mathematics Statistics, Statistics Programing, Designing Experiments, Statistics Methods for Machine Learning
Mathematics	Calculus, Multivariable calculus, Linear Algebra and Differential Equation, Applied Linear Algebra, Foundations