

JING ZHAO

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EDUCATION

- Ph.D., Agricultural Economics, University of Missouri, December 2015
 - Thesis: Three Essays on Agricultural Policy and Food Demand
 - Committee Members: Dr. Wyatt Thompson, Dr. William Meyers, Dr. Isaac Miller, Dr. John Kruse, Dr. Julian Binfield
- M.A., International Trade, China Agricultural University, July 2010
- B.A., International Trade and Economics, China Agricultural University, July 2008

WORKING EXPERIENCE

- University of Maryland** Nov 2017-present
Postdoctoral Researcher Frostburg, MD
 - Work on research about sustainable agriculture and draft research reports
- University of Shanghai for Science and Technology** September 2016 – January 2017
Lecturer Shanghai, China
 - Taught *Principles of Economics* and *Business Statistics* for undergraduate students.
- University of Missouri** September 2013 – September 2016
Researcher Columbia, MO
 - Led research projects about agricultural & trade policies, food consumption, commodity market price analysis, performed hypothesis-driven analysis with quantitative and empirical methods.
 - Examined the evolution of wheat support with world economic development using fixed effect model, and predicted wheat support levels of various countries based on World Bank database.
 - Simulated the effect of grain minimum purchasing price policy after estimating parameters in wheat supply and demand model using 2SLS method (generally applicable to policy effect analysis).
 - Tested effect of refrigerator ownership on food consumption in rural China. Demonstrated that omitting refrigerator might overstate income or expenditure elasticities by 7%.
 - Examined relationships between China and world prices of corn, wheat and rice using unit root test, granger causality and cointegration test.
- IHS, Inc. (Information Handling Services)** October 2010 – August 2013
Analyst Intern Columbia, MO
 - Built economic models for cocoa bean and peanut. Correctly predicted downward trend of cocoa bean in spring 2013 with error (< 10%), whereas projections by other analysts missed turning point.
 - Re-engineered a key database that was chaotic and costly to use. This database supported team's commodity modeling and clients' data subscription.
 - Forecasted prices, supply and demand of different commodity through dynamic simulation model that integrated all equations about production area, yield, food/feed/industrial use, trade.
 - Provided our clients with market and policy insights based on economic research. For instance, reliable price forecasting of cocoa powder could help ice cream manufactures to reduce operational costs.
- China Agricultural University** January 2008 – July 2010
Research Assistant Beijing, China
 - Examined effects of antidumping duty for potato starch using partial equilibrium, applicable to the

analysis of similar trade policies.

- Analyzed & forecasted grain prices with autoregressive integrated moving average models.
- Conducted scenario analysis under different assumptions about wheat production and trade policies.
- Designed household survey questionnaires; conducted household surveys about vegetables for exports in Shandong, soybean and organic rice production in Heilongjiang, rural new energy in Liaoning.

GRANTS AND AWARDS

- Grant for Commissioned Paper, \$25,000, “Modeling and forecasting agricultural commodity support in the developing countries”, International Agricultural Trade Research Consortium, 2017.
- Travel grant for presenting dissertation, International Agricultural Trade Research Consortium, 2015
- Curator's Grant-in-Aid (GIA) Scholarship, University of Missouri, Spring 2014
- Graduate Professional Council (GPC) Travel Awards, University of Missouri, 2013

PUBLICATIONS

- **J Zhao**, J. Miller, Wyatt Thompson, “Modeling and extrapolating wheat producer support using income and other factors”, *Journal of Agricultural Economics*, 2017
- Y Chen, Z Wu, K Okamoto, X Han, G Ma, H Chien, **J Zhao**, “The impacts of climate change on crops in China: A Ricardian analysis”, *Global and Planetary Change*, Vol.104, 2013.
- Y Chen, B Wu, **J Zhao**, “Excessive fertilizer input in farmer-level soybean production: Evidence from the measurements of technical efficiency in Suihua City, China”, *Journal of Food, Agriculture & Environment*, Vol. 9, 2011.
- J Wang, Y Chen, X Wang, X Zheng, **J Zhao**, “Cycle phase identification and factors influencing the agricultural commodity price cycle in China: evidence from cereal prices,” *Agriculture and Agricultural Science Procedia*, 2010.
- X Zhang, **J Zhao**, Y Chen, C Qin, “Innovation Mode of Production Management in Organic Agriculture”, *Anhui Agricultural Science*, Vol 37, 2009
- **J Zhao**, Y Chen, C Liu, “Palm oil market situation analysis in the first half of 2008 and outlook for the second half,” *Agricultural Outlook*, Vol.4, No.9, 2008.
- Co-author, “Edible Oils Supply Security and Projection in China”, *China Agriculture Press*, 2008.

WORKING IN PROGRESS

- “Machinery service or investment: the choice of family farms in China”.
- “The Influences of Wheat Government Stock Policy in China: A Counterfactual Analysis”.
- “The Effect of Refrigerator Ownership on Meat Consumption in Rural China”.

SKILLS

- Language: Chinese (Native), English (Professional proficiency), Spanish(Elementary)
- Software: STATA, SAS, SQL, EXCEL, MATLAB