

Bowen Chen

PhD Candidate, Agricultural Economics

Email : bwchen@ksu.edu

Mobile : +1-785-317-6196

GitHub : <https://github.com/cbw1243>

PROGRAMMING SKILLS

- R [+3 years], Python [beginner], STATA [+2 years], Matlab [half a year], SQL [beginner]
- Proficient with dplyr, parallel, ggplot2, and machine learning packages (e.g., randomForest, xgboost, keras)

WORK EXPERIENCE

- **Kansas State University** Manhattan, KS
Graduate Research Assistant Aug. 2015 - Present
 - Assisted in developing an open source R program that aggregates 150 years of global grid-cell level climate and crop yield data to country level. The program is hosted at MyGeoHub (see link *here*).
 - Developed a R function for estimating the panel stochastic frontier model with maximum likelihood estimator (see codes *here*).
 - Web scripted 1000+ online *Yelp* reviews to reveal consumer preference over food products. The work won the 2nd place at graduate student case study competition at 2016 annual conference of Agricultural & Applied Economics Association.
 - Assisted in modeling the trade effects of climate change and transportation costs.
 - Assisted in modeling historic changes in global competitiveness of the U.S. grain commodities.
- **Kansas State University** Manhattan, KS
Graduate Teaching Assistant Aug. 2017 - Present
 - Guest lecturer of graduate-level course: *International Market and Agricultural Trade*
 - Instructor of graduate-level course: *Math Review and Computer Programming* (see materials *here*)

PUBLICATIONS

- Source of Risk in Global Maize Markets: A Perspective from Historic Evidence and Future Projections in Key Regions of the World. *Weather and Climate Extremes*, 2018, with N. Villoria
- Tariff Quota Administration in China's Grain Markets: An Empirical Assessment. *Agricultural Economics*, Revise and Resubmit, with N. Villoria and T. Xia
- Climate Shocks, Food Price Stability and International Trade: Evidence from 76 Maize Markets in 27 Net-importing Countries. *Environmental Research Letters*, Revise and Resubmit, with N. Villoria

EDUCATION

- **Kansas State University** Manhattan, KS
PhD in agricultural economics; GPA: 4.00 Aug. 2015 – present
- **Chinese Academy of Agricultural Sciences** Beijing, China
Master's in Rural and Regional Development Aug. 2012 – Jun. 2015

HOBBY

Participating Kaggle competitions