

# Bowen Chen

PhD Candidate, Agricultural Economics

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

## PROGRAMMING SKILLS

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- 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

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- **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 2<sup>nd</sup> place at graduate student case study competition at 2016 annual conference of Agricultural & Applied Economics Association.
  - Assisted in modeling the effects of climate change and physical distance on international and domestic agricultural trade patterns.
  - 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

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- 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*, under review, 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*, under review, with N. Villoria

## EDUCATION

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- **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

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Participating Kaggle competitions