

# YUJUN ZHOU

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## DISSERTATION TITLE: "Food Security and Weather Shocks in Sub-Saharan Africa"

Expected Date of Completion: May 2019  
Principal Advisor: Kathy Baylis

PRE-DOCTORAL STUDIES:	DEGREE:	DATE:	FIELD:
University of California Davis	M.S.	2014	Agricultural and Applied Economics
Nanjing University, China	B.A.	2013	Trade Economics

## FIELDS OF CONCENTRATION:

### PRIMARY

Development economics  
Applied Econometrics

### SECONDARY

International Trade  
Price analysis

## WORKING PAPERS:

1. "A Prototype for Predicting Food Insecurity Using Readily Available Data" with Erin Lentz, Hope Michelson, and Kathy Baylis, *submitted, Proceedings of the National Academy of Sciences*
2. "Maize Price Volatility and Export Ban: Evidence from Zambia" with Kathy Baylis

## RESEARCH IN PROGRESS

1. "Predicting Food Insecurity in Sub-Saharan Africa using Machine Learning" with Kathy Baylis
2. "Food Security Metrics: The Understudied Role of Stability and its Implications for Resilience" with Joseph Murray and Kathy Baylis
3. "Trade and Food Security: Safety Net against Weather Shocks" with Ben Crost and Kathy Baylis

## TEACHING EXPERIENCE:

1. Fall 2016/2017, ACE 455: International Trade in Food and Agriculture (undergraduate and graduate)
2. Spring 2017/2018, ACE 451: Agriculture in International Development (undergraduate and graduate)

## CONFERENCE AND WORKSHOP PRESENTATIONS:

1. Ph.D. Seminar, Department of ACE, UIUC. "Weather Shocks and Food Security in Developing Countries" (April 2017)
2. Ph.D. Seminar, Department of ACE, UIUC. "'Predicting Food Insecurity with Machine Learning'" (April 2018)

## UNDERGRADUATE RESEARCH ADVISED

1. Spring 2016, Yufei Zhang, "Global Food Price Volatility and Trade Flows"
2. Fall 2016 - Spring 2017, Liangyuan Yu, "Transportation Cost and Maize Prices in Rural Zambia"
3. Spring 2017, Thomas Poole, "A Suitable Crop Model for Weather Shocks in Sub-Saharan Africa"
4. Fall 2017-Spring 2018, Husain Kurawadwala, "Different Food Security Metrics"

## OTHER INFORMATION:

**Languages:** English(Fluent), Chinese (Native)  
**Computer Skills:** R, Python, STATA, ArcGIS, MATLAB, and LaTeX