

# Hongqiang Yan

7231 E Sonoran Arroyo Mall  
Santan Hall Suite 235  
Mesa, AZ 85212

Email: [hongqiang.yan@asu.edu](mailto:hongqiang.yan@asu.edu)

Phone: +1 (919) 999 - 7897

Website: <https://hongqiangyan.github.io/>

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## ACADEMIC POSITIONS

Postdoctoral Research Scholar

2024 – Present

Morrison School of Agribusiness, W. P. Carey School of Business, Arizona State University

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## RESEARCH FIELDS

Agricultural Economics, Econometrics, Big Data Analytics and Machine Learning Methods

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## EDUCATION

Ph.D. in Economics, North Carolina State University

2024

Dissertation: *Essays on High-Dimensional Threshold Models*

Ph.D. Committee: Mehmet Caner (Chair), Barry Goodwin, Zheng Li, Ilze Kalnina

M.S. in Economics, Texas A&M University

2018

B.A. in Finance, Beijing Jiaotong University

2016

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## PEER-REVIEWED JOURNAL ARTICLES

- [1] Yan, H., Mishra, A.K. and Zhou, X. (2025), Do All Food and Beverage Firms Benefit From Voluntary ESG Reporting? Evidence From China's Listed Companies. *Agribusiness: An International Journal*. <https://doi.org/10.1002/agr.70004>
- [2] Khanal, A.R., Mishra, A.K., Hazrana, J., and Yan, H. (2025), Risk Attitude, Perception, Management Experience, and Productivity: Evidence From a Semiparametric Approach and a Less Developed Economy. *European Review of Agricultural Economics*. <https://doi.org/10.1093/erae/jbaf043>

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## SUBMITTED MANUSCRIPTS

\* *Corresponding author*

- [1] **Hongqiang Yan**\*, Serkan Aglasan, Le Chen, Roderick Rejesus. The Dual Damage from Soil Erosion: Lower Yields and Higher Risk in US Agriculture.
- [2] **Hongqiang Yan**, Mark Manfredo, Ashok K. Mishra. Forecasting for Food Price Inflation Using Machine Learning Methodology: Expansion on FRED-MD.
- [3] Jiatong Li, **Hongqiang Yan**\*. Uniform Inference in High-Dimensional Threshold Regression Models.
- [4] Mitchell Roznik, Ashok K. Mishra, **Hongqiang Yan**. Field Rotation Related Soil Productivity Changes, Yield Risk, and Efficiency in Crop Insurance Rating.
- [5] Le Chen, Roderick Rejesus, Serkan Aglasan, **Hongqiang Yan**. Lost Ground, Lost Value: Investigating the Relationship Between Soil Erosion and Agricultural Land Value

## WORKING PAPERS

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- [1] **Hongqiang Yan**, Barry Goodwin, Mehmet Caner. Global Maize Market Integration: A High-Dimensional Local Projection Approach with Mixed-Frequency Data and Regime Switching.
- [2] **Hongqiang Yan**, Barry Goodwin, Ashok K. Mishra. Detecting Structural Change in the Demand for Multiple Peril Crop Insurance.
- [3] **Hongqiang Yan**, Ashok K. Mishra, Jaweriah Hazrana. Spatial Analysis of Modern Rice Varieties Technology on Production: Evidence from Panel Data in Bangladesh.
- [4] Mitchell Roznik, Ashok K. Mishra, **Hongqiang Yan**. Extreme Climate, Financial Health, and Credit Default Risk: An American Landscape.

## WORK IN PROGRESS

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- [1] Cost Functions Under Uncertainty: A Conditional Value-at-Risk Approach *with Ashok K. Mishra*
- [2] Uniform Inference in High-Dimensional Panel Data Models with Breaks *with Jiatong Li*

## TEACHING EXPERIENCE

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### **Instructor, Arizona State University**

*International Management and Agribusiness*

Summer 2025

Student Evaluations: **6.62/7** (35/46, 41/68 responses)

### **Instructor, NC State University**

*Principles of Microeconomics*

Spring 2023

### **Graduate Teaching Assistant, NC State University**

*Fundamentals of Microeconomics (Graduate-Level)*

Fall 2022, 2021, 2020

Summer Math Camp and Recitations

*Applied Econometrics I (Graduate-Level)*

Fall 2021, 2020, 2018

Recitations

*Introduction to Commodity Futures Markets*

Fall 2022

*Microeconomics II (Graduate-Level)*

Spring 2020

*Introduction to Econometric Methods (Graduate-Level)*

Spring 2020

*Principles of Microeconomics*

Spring 2022, Fall 2019

*Public Finance*

Spring 2019

## PRESENTATIONS

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\* indicates presenter

- [1] Hongqiang Yan\*, Ashok K. Mishra. “*Cost Functions Under Uncertainty: A Conditional Value-at-Risk Approach*”, Selected Paper, SAEA Annual Meeting, Louisville, KY, February 2026 (Scheduled).
- [2] Hongqiang Yan\*, Ashok K. Mishra, Xi Zhou. “*Do all food and beverage firms benefit from voluntary ESG reporting? Evidence from China’s listed companies*”, Second Annual ASU-HKU Conference, Tempe, AZ, January 2026 (Scheduled).
- [3] Hongqiang Yan\*, Mark Manfredo, Ashok K. Mishra. “*Drivers of Food Price Inflation in the United States: A High-Dimensional Local Projection Approach*”, Selected Poster, AAEA & WAEA Annual Meeting, Denver, CO, July 2025.
- [4] Hongqiang Yan\*, Ashok K. Mishra, Xi Zhou. “*Examining the Role of Spatial Heterogeneity in Productivity-Enhancing Activities: Evidence from the Chinese Food and Beverage Sector*”, Selected Poster, AAEA & WAEA Annual Meeting, Denver, CO, July 2025.

- [5] Subarta Chakraborty\*, Ashok K. Mishra, Hongqiang Yan. “*Impact of Rural Employment Guarantee Program on Farming Efficiency: Evidence from an Emerging Economy*”, Selected Paper, AAEA & WAEA Annual Meeting, Denver, CO, July 2025.
- [6] Jiatong Li\*, Hongqiang Yan. “*Uniform Inference in High-Dimensional Threshold Regression Models*”, The 19th International Symposium on Econometric Theory and Applications, Macau SAR, China, June 2025 (Scheduled).
- [7] Hongqiang Yan\*, Mark Manfredo, Ashok K. Mishra. “*Machine Learning Forecasts for Food Price Inflation: Expanding FRED-MD*”, NCCC-134 Conference, Chicago, IL, April 2025.
- [8] Mitchell Roznik, Ashok K. Mishra, Hongqiang Yan\*. “*Extreme Climate, Financial Health, and Credit Default Risk: An American Landscape*”, Selected Paper, SAEA Annual Meeting, Irving, TX, February 2025.
- [9] Hongqiang Yan\*, Ashok K. Mishra, Jaweriah Hazrana. “*Assessing Spatial Variations in Productivity and Technology Adoption: Evidence from Jute Production in Bangladesh*”, Selected Paper, SAEA Annual Meeting, Irving, TX, February 2025.
- [10] Jiatong Li\*, Hongqiang Yan. “*Uniform Inference in High-Dimensional Threshold Regression Models*”, Midwest Econometrics Group Conference, Lexington, KY, November 2024.
- [11] Jiatong Li\*, Hongqiang Yan. “*Uniform Inference in High-Dimensional Threshold Regression Models*”, Canadian Econometrics Study Group, Toronto, ON, October 2024.
- [12] Hongqiang Yan\*, Barry K. Goodwin. “*Data-Driven Estimates of Structural Change in the Demand for Multiple Peril Crop Insurance*”, Selected Poster, AAEA Annual Meeting, New Orleans, LA, July 2024.
- [13] Hongqiang Yan\*, Serkan Aglasan, Le Chen, Roderick M. Rejesus. “*The Impact of Soil Erosion on Mean Yields and Yield Risk*”, Selected Paper, AAEA Annual Meeting, New Orleans, LA, July 2024.
- [14] Jiatong Li\*, Hongqiang Yan. “*Uniform Inference in High-Dimensional Threshold Regression Models*”, Bristol Econometrics Study Group, Bristol, UK, July 2024.
- [15] Hongqiang Yan\*, Barry K. Goodwin, Mehmet Caner. “*Investigating Integration and Exchange Rate Pass-Through in World Maize Markets Using Inferential LASSO Methods*”, Selected Paper, AAEA Annual Meeting, Washington, DC, July 2023.
- [16] Hongqiang Yan\*. “*Uniform Inference in High-Dimensional Threshold Regression Models*”, Midwest Econometrics Group Conference, East Lansing, MI, October 2022.

## FELLOWSHIPS AND AWARDS

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Goodnight Doctoral Fellowship, NC State University	2022 – 2024
Awarded to 30 top doctoral students university-wide; provided guaranteed funding through graduation.	
Jenkins Fellowship, NC State University	2023 – 2024
Sole recipient selected from final-year Economics Ph.D. students for outstanding academic achievement.	

## RESEARCH GRANTS

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- [1] New Governance Lab Summer Research Grant, Arizona State University (\$9,000). “Voluntary ESG Reporting and Firm Performance: An Exploration in China’s Food and Beverage Industry,” 2025. Role: Co-Principal Investigator. Project PI: Ashok Mishra.
  - [2] USDA National Institute of Food and Agriculture (NIFA) – Agriculture and Food Research Initiative Grant (Pending). “Modeling Structural Change in the Demand for Multiple Peril Crop Insurance: Implications for U.S. Agriculture,” 2026–2029. Role: Co-Principal Investigator. Project PI: Ashok Mishra.

## JOURNAL REFEREE

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Referee: *Agribusiness: An International Journal*(× 6), *Journal of Agricultural and Applied Economics*(× 2)

## OTHER INFORMATION

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Programming: R, Python, MATLAB, Stata

Language: English(fluent), Mandarin Chinese(native)

Nationality/VISA Status: China/U.S. F-1

## REFERENCES

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### **Ashok K. Mishra**

Kemper and Ethel Marley Foundation Chair and Professor  
Morrison School of Agribusiness, W. P. Carey School of Business  
Arizona State University  
[Ashok.K.Mishra@asu.edu](mailto:Ashok.K.Mishra@asu.edu)

### **Barry K. Goodwin**

William Neal Reynolds Distinguished Professor and Graduate Alumni Distinguished Professor  
Department of Agricultural & Resource Economics  
North Carolina State University  
[bkgoodwi@ncsu.edu](mailto:bkgoodwi@ncsu.edu)

### **Mehmet Caner (Ph.D. Advisor)**

Thurman-Raytheon Distinguished Professor of Economics  
Department of Economics  
North Carolina State University  
[mcaner@ncsu.edu](mailto:mcaner@ncsu.edu)

### **Roderick M. Rejesus**

Department Extension Leader, Professor and Extension Specialist  
Department of Agricultural & Resource Economics  
North Carolina State University  
[rmrejesu@ncsu.edu](mailto:rmrejesu@ncsu.edu)