

Hongqiang Yan

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ACADEMIC POSITIONS

Postdoctoral Research Scholar

2024 – Present

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

RESEARCH FIELDS

Risk Management, Agricultural Production and Policy, Farm Management, Big Data and Machine Learning
Applications in Agriculture, Econometric Theory

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

PEER-REVIEWED JOURNAL ARTICLES

- [1] Yan, H., Mishra, A. K., & Zhou, X. (2025). Do all food and beverage firms benefit from voluntary ESG reporting? Evidence from China's listed companies. *Agribusiness*, forthcoming.
- [2] Khanal, A. K., Mishra, A. K., Hazrana, J., & 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*, forthcoming.

SUBMITTED MANUSCRIPTS

* *Corresponding author*

- [1] Mitchell Roznik, Ashok K. Mishra, **Hongqiang Yan**. *Field Rotation Related Soil Productivity Changes, Yield Risk, and Efficiency in Crop Insurance Rating*.
- [2] **Hongqiang Yan**^{*}, Serkan Aglasan, Le Chen, Roderick Rejesus. *The Dual Damage from Soil Erosion: Lower Yields and Higher Risk in US Agriculture*.
- [3] Jiatong Li, **Hongqiang Yan**^{*}. *Uniform Inference in High-Dimensional Threshold Regression Models*.

WORKING PAPERS

- [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**, Mark Manfredo, Ashok K. Mishra. Machine Learning Forecasts for Food Price Inflation: Expanding FRED-MD. Detecting Structural Change in the Demand for Multiple Peril Crop Insurance. Spatial Analysis of Modern Rice Varieties Technology on Production: Evidence from Panel Data in Bangladesh.
- [3] Mitchell Roznik, Ashok K. Mishra, **Hongqiang Yan**. Extreme Climate, Financial Health, and Credit Default Risk: An American Landscape.

WORK IN PROGRESS

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

TEACHING EXPERIENCE

Instructor, Arizona State University

International Management and Agribusiness

Summer 2025

Student Evaluations: **6.75/7** (35/46 responses), **6.64/7** (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

* indicates presenter

- [1] 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 Hong Kong University/New Governance Lab Conference, Phoenix, AZ, January 2026 (Scheduled).
- [2] 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.
- [3] 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.
- [4] 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.
- [5] 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).
- [6] Hongqiang Yan*, Mark Manfredo, Ashok K. Mishra. “*Machine Learning Forecasts for Food Price Inflation: Expanding FRED-MD*”, NCCC-134 Conference, Chicago, IL, April 2025.
- [7] 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.

- [8] 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.
- [9] Jiatong Li*, Hongqiang Yan. “Uniform Inference in High-Dimensional Threshold Regression Models”, Midwest Econometrics Group Conference, Lexington, KY, November 2024.
- [10] Jiatong Li*, Hongqiang Yan. “Uniform Inference in High-Dimensional Threshold Regression Models”, Canadian Econometrics Study Group, Toronto, ON, October 2024.
- [11] 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.
- [12] 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.
- [13] Jiatong Li*, Hongqiang Yan. “Uniform Inference in High-Dimensional Threshold Regression Models”, Bristol Econometrics Study Group, Bristol, UK, July 2024.
- [14] 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.
- [15] Hongqiang Yan*. “Uniform Inference in High-Dimensional Threshold Regression Models”, Midwest Econometrics Group Conference, East Lansing, MI, October 2022.

FELLOWSHIPS AND AWARDS

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

New Governance Lab Summer Research Grant, Arizona State University	2025
<i>Co-Investigator (with Ashok Mishra, PI).</i>	
Project: “Voluntary ESG Reporting and Firm Performance: An Exploration in China’s Food and Beverage Industry”.	
USDA Agriculture and Food Research Initiative Grant (Pending)	2026 – 2029
<i>Co-Principal Investigator (with Ashok Mishra, PI).</i>	
Project: “Modeling Structural Change in the Demand for Multiple Peril Crop Insurance: Implications for U.S. Agriculture”.	

JOURNAL REFEREE

Referee: *Agribusiness: An International Journal*(× 5), *Journal of Agricultural and Applied Economics*(× 2)

OTHER INFORMATION

Programming: R, Python, MATLAB, Stata

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

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

REFERENCES

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

Barry K. Goodwin

William Neal Reynolds Distinguished Professor and Graduate Alumni Distinguished Professor
Department of Agricultural & Resource Economics
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Mehmet Caner (Ph.D. Advisor)

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Roderick M. Rejesus

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