Yunran Wang

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RESEARCH INTERESTS

Fields: Agricultural Economics; Climate Economics and Policy

Research Areas: Climate Risk; Agricultural and Economic Resilience; Climate Information and Behavioral Responses; Agricultural Finance

Methodology: Econometrics and Causal Inference; LLM-Embedded Behavioral Experiments; Time-Series Analysis; Stochastic Modeling; Integrated Assessment Modeling (IAM)

EDUCATION

Cornell University — Ithaca, NY
Ph.D. in Applied Economics and Management — May 2027

Cornell University — Ithaca, NY
M.S. in Applied Economics and Management — May 2022

University of Minnesota, Twin Cities — Minneapolis, MN
B.A. in Economics — May 2020

JOB MARKET PAPER

Wang, Y., & Turvey, C. G. (2026). Attention allocation to climate signals and public interest in ESG topics: Evidence from Chinese cities. Economic Analysis and Policy, 93, 1288–1305. https://doi.org/10.1016/j.eap.2026.08.035

OTHER PEER-REVIEWED PUBLICATION

Wang, Y., & Turvey, C. G. (2026). The variability fingerprint of a warming world informing climate risk and solutions. Scientific Reports, 16, 26154. https://doi.org/10.1038/s41598-026-54733-4

WORKING PAPERS AND RESEARCH IN PROGRESS

Turvey, C. G., Pan, R., & **Wang, Y.** (2025). The impact of climate risks on U.S. Chapter 12 farm bankruptcies and agricultural banks' profitability. Cornell SC Johnson College of Business Research Paper, SSRN 5401869.

Wang, Y., & Turvey, C. G. Stochastic climate risk, economic resilience, and optimal mitigation in an extended DICE model. Manuscript in preparation.

Wang, Y., Fang, X., & Ran, J. AI-assisted information processing and investment decisions under trade policy uncertainty. Work in progress.

RESEARCH EXPERIENCE

Cornell University - Graduate Research Assistant — Aug 2022 - Present

• Conducted academic research using Stata and R to analyze 337,000+ city-day observations, applying regression and causal-inference methods to examine how extreme weather events drive stakeholder attention to corporate sustainability efforts.
• Managed and manipulated environmental data in R to build global gridded datasets, clean and integrate raster data with shapefiles, apply AR(1) models, and visualize risk indices through a reproducible workflow supporting a publication.
• Developed an R-based climate-economy model and performed data analysis, sensitivity testing, and stress testing to assess how temperature extremes interact with economic adaptation, estimating global GDP losses, effective carbon prices, and mitigation pathways across Paris Agreement policy scenarios.

Cornell University - Research Project Lead, AI & Investment Behavior — Aug 2025 - Present

• Designed and implemented a Qualtrics experiment in JavaScript with an embedded AI chat agent to investigate how investors interpret evolving trade policies and adjust investment decisions in equity markets across successive tariff announcements.
• Developed event-tracking and data-collection workflows in Qualtrics to capture participant interactions, produce analysis-ready behavioral datasets, and support A/B testing and statistical analysis in Python and R.

CONFERENCE PRESENTATIONS

The Impact of Climate Risks on U.S. Chapter 12 Farm Bankruptcies and Agricultural Banks' Profitability — Oct 2025
NC-1177 Annual Meeting, Federal Reserve Bank of Kansas City, Omaha Branch, Omaha, Nebraska.

Linking Climate Change, Agricultural Finance, and Risk: A Stochastic Approach to Temperature Variability and Crop Resilience Oct 2024
NC-1177 Annual Meeting, Federal Reserve Bank of St. Louis, St. Louis, Missouri.

TEACHING EXPERIENCE

Cornell University
Teaching Assistant, AEM 4210/6410 Futures, Options and Financial Derivatives
Spring 2022, Spring 2024, Fall 2024, Spring 2026

• Helped design market-based practice problems linking futures spreads, geopolitical risk premiums, and price volatility to energy spread-trading strategies across crude oil and natural gas markets.
• Assisted in developing applied commodity-market case studies using real futures and spot price data to analyze how supply-demand shocks, basis movements, and inventory conditions affect hedging decisions and commodity price-risk management across metals, grains, and dairy markets.
• Instructed students on options and derivatives risk management, guiding them through strategy payoffs, the Greeks, Delta hedging, and building Delta-Vega neutral portfolios using Excel-based modeling.

Additional Teaching Experience

AEM 2050	Introduction to Agricultural Finance (TA)	*Fall 2025*
AEM 5570	Corporate Finance (TA)	*Spring 2025*
ECON 1110	Introductory Microeconomics (CA)	*Fall 2024*
AEM 4400	Retail Strategy (TA)	*Fall 2023*
ECON 3130	Statistics and Probability (CA)	*Fall 2023*
PAM 4240	Risk Management and Policy (CA)	*Fall 2021*

TECHNICAL SKILLS AND LANGUAGES

Programming and software: R, Stata, Python, SQL, MATLAB
Languages: Chinese (native), English (fluent).

SELECTED PROFESSIONAL EXPERIENCE

China Construction Bank, New York Branch May - Aug 2022
Corporate Banking Summer Intern
• Conducted data analysis and risk evaluations for 12 manufacturing clients by assessing competitiveness, management quality, profitability, cash flow, company size, financial flexibility, and liquidity.
• Assisted senior corporate bankers with KYC reviews. Participated in due diligence for new lending transactions by analyzing company filings, financial statements, and due diligence reports.
• Researched market trends, regulatory developments, competitor positioning, and industry dynamics to support senior corporate bankers in developing and maintaining client relationships.

Agricultural Bank of China May - Aug 2017
Corporate Banking Summer Intern
• Analyzed three years of financial statements, credit bureau records, due diligence findings, and industry research to assist in preparing internal credit submission documents.
• Conducted post-lending credit monitoring for the corporate loan portfolio, tracking borrower credit conditions to identify early warning signals and adverse developments. Maintained complete and accurate borrower data in bank systems to support ongoing portfolio monitoring and credit reviews.

REFERENCES

Calum G. Turvey (Chair), W.I. Myers Professor of Agricultural Finance
Dyson School of Applied Economics and Management, Cornell University
cgt6@cornell.edu

Wendong Zhang, Associate Professor
Dyson School of Applied Economics and Management, Cornell University
wendongz@cornell.edu

Ariel Ortiz-Bobea, Associate Professor
Dyson School of Applied Economics and Management and Brooks School of Public Policy, Cornell University
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