Linge (Ling) Yang

AGRICULTURAL AND RESOURCE ECONOMICS DEPARTMENT
UNIVERSITY OF CONNECTICUT

CONTACT INFORMATION

Department of Agricultural and Resource Economics
Wilfred B. Young Building,
1376 Storrs Road, Unit 4021, Room 302
Storrs, CT 06269-4021

Phone: (860) 881-0279
Email: linge.yang@uconn.edu
LinkedIn : https://www.linkedin.com/in/linge-yang-90ba2718a/

EDUCATION

Ph.D. in Agricultural and Resource Economics, University of Connecticut, Summer 2027 (expected)
Master of Science in Quantitative Economics, University of Connecticut, Fall 2025 (expected)
Bachelor of Arts, Double Major in Applied Math and Economics, Minor in Business Analytics, University of Connecticut, December 2021

FIELDS OF INTEREST

Environmental Economics, Production Economics, Applied Microeconomics, Applied Econometrics

PUBLICATION

Ray, S.C., Yang, L. Measurement and decomposition of profit efficiency under alternative definitions in nonparametric models. *J Prod Anal* (2024). https://doi.org/10.1007/s11123-024-00720-8

HONOR AND AWARD

Harriott Fellowship, UConn Graduate School, Sep 2022
This fellowship is intended to recruit and support the most promising students entering graduate programs at the University of Connecticut. The recipient of this fellowship will represent the very best applicant to graduate programs at the University.
Economic Department General Scholarship, UConn Department of Economics, 2021
This award is given to a deserving student based on a number of factors including but not limited to financial need and academic achievement.
Julia and Harold Fenton and Yolanda and Augustine Sineti Scholarship, UConn Department of Economics, 2021
This award is bestowed on a full-time junior economics major demonstrating academic achievement and interest in pursuing graduate school studies. As stipulated by the donor, priority will be given to students who demonstrate significant participation in community service activities and demonstrate financial need.
Louis D. Traurig Scholarship, UConn Department of Economics, 2020
This award is given each year to an outstanding economics major. As stipulated by the donor, some preference may be given to students from the Waterbury area, but all qualified students are encouraged to apply.
Academic Excellence Scholarship, UConn Honor Program, 2018-2021
Merit-based Scholarship (renewable for 4 years; valued at a fixed amount determined on a yearly basis). Students who have achieved a very competitive high school academic average will be considered for this scholarship.

GRANT

North American Productivity Workshop Young Researchers Program Travel Support, Summer 2025

The Chinese Economist Society North America Conference Travel Support, Spring 2025

Paul L. Putnam Professional Development Grant, UConn ARE, Summer 2024, Summer 2025

Conference Participation Fellowship, UConn Graduate School, Spring 2025

WORKING PAPER

"Balancing Growth and Green: Analyzing the Economic-Environmental Trade-offs Through Chinese Secondary Industry"

This paper investigates the Chinese secondary industry, revealing two significant findings through the integration of neoclassical economic theory and contemporary quasi-experimental methods. Firstly, it reveals that stringent environmental regulations can result in substantial economic losses, underscoring the trade-off between environmental regulation and economic prosperity. Secondly, it identifies an inverted U-shaped relationship between environmental regulation and economic output, indicating the existence of an optimal regulation level where pollution abatement effort and economic growth are balanced. Echoing the emphasis on sustainability, this paper suggests regulatory policies can be designed to balance economic and environmental goals, particularly in developing countries facing global economic pressures.

"Addressing Agricultural Nonpoint Source Pollution from A Point Source Perspective"
Agrochemicals (such as pesticides and fertilizers) are essential for modern agriculture, with significant annual usage in the United States. However, improper application can lead to nonpoint source (NPS) pollution, negatively impacting water quality and human health. Although researchers acknowledge that agriculture is a major contributor to NPS, existing policies have been slow to address this issue effectively. The current literature identifies several approaches to mitigate agricultural NPS, such as voluntary programs, economic incentives, and tax. However, previous studies primarily consisted of analytical models and experimental tests, with a limited number of numerical studies. This paper addresses this large gap in literature by introducing a new input-based production efficiency approach that provides quantifiable insights, which is crucial for today's evidence-informed policymaking. This estimation method can be used to quantify how much agrochemical use can be reduced at each farm without compromising crop yields. The proposed approach is inspired by the existing input-based Best Management Practices (BMPs) in the United States, the emergence of the Variable Rate Technologies (VRT), and the widely applied Data Envelopment Analysis (DEA) method.

WORK IN PROGRESS

"Understanding the Dynamic Relationship of Agricultural Labor and Technology"
"Profit Efficiency in Wheat Cultivation: An All-Indian Analysis of Farm Level Data" (with Subhash C. Ray)

TEACHING EXPERIENCE

Teaching Assistant for ECON 2201 Intermediate Microeconomic, Summer 2022, 2023, 2024, 2025

Student Economic Tutor for ECON 2326 Operation Research, Fall 2021

Teaching Assistant for MATH 3510 Numerical Analysis I, Fall 2021

Student Notetaker for MATH 2750W Technical Writing in Mathematics, Fall 2021

ASSIGNED RESEARCH ASSISTANT PROJECT

USDA ERS Strategic Priority Grant Project — "The Impact of Specialty Local Food Retailers on Local Consumers and Direct Marketing Producers using Agricultural Census Data" (with Cristina Connolly, Greg Astill, Xiao Dong, Yanan Liu, Allen Klaiber) — From Fall 2022 to Spring 2025

UConn Integrated Multi-State Hatch Project — "Entrepreneurial Networks, Resource Access, and Performance of New England Small- and Medium-Sized Farms" (with Emma Bojinova, Cristina Connolly, Jason Entsminger) — Starting from Fall 2022

CONFERENCE REVIEWER

2025 AERE Summer Conference, 2025 AERE @SEA Conference, 2025 UConn Graduate Student Research Symposium

JOURNAL REVIEWER

Canadian Journal of Economics

PROFESSIONAL TRAINING

U21 Sustainable Micro-internship: SDG Focus: Decent Work and Economic Growth

Universitas 21 (U21) is a unique global network that brings together 29 world-leading, research-intensive universities that share a common belief in the value of collaboration and internationalization. This internship allows you to work remotely with your fellow students from across the globe, sharing knowledge and expertise while immersing yourself in a commercial organization. Throughout the program, participants will engage with and learn from students from 21 countries.

Exploring the Diverse Paths to Invention of U.S.-trained Doctoral Scientists and Engineers Applied Data Analytics Training, Summer 2024

In collaboration with the National Center for Science and Engineering Statistics (NCSES) within the National Science Foundation and the Coleridge Initiative, participants of this program will work in teams to define and complete a project using the micro-level Survey of Doctorate Recipients (SDR, provided by NCSES) linked with United States Patent data (public data provided by the United States Patent and Trademark Office).

The program aims to provide an up-to-date perspective on the use of administrative and survey data for policy analysis, along with instruction on data analysis and visualization best practices. The final output would be an interactive dashboard or data visualization that enhances the knowledge of often understudied subpopulations of the U.S. scientific workforce. Final output and report available in GitHub.

INDUSTRY EXPERIENCE

Academic Tutor, Sinica Education, Online, April 2025 - Today

Client Service Professional (CSP), H&R Block, Manchester Parkade, CT, Jan 2022 -Jun 2022
Intern, Greater New England Minority Supplier Development Council, New Haven, CT, Mar 2021-Dec 2021
Intern, Changing the Present, New York City, NY, Sep 2019-Dec 2019

CERTIFICATION

Google Project Management Certification, Spring 2024
CITI Certification, Summer 2022

PRESENTATION (Including Scheduled)

Balancing Growth and Green: Analyzing the Economic-Environmental Trade-offs Through Chinese Secondary Industry, 2025 ARE Graduate Research Seminar, 2025 Eastern Economic Association Annual Conference, 2025 Chinese Economists Society (CES) North American Conference, 2025 AERE@ the Southern Economic Association (SEA)(scheduled)

Addressing Agricultural Nonpoint Source Pollution from a Point Source Perspective, 2024 ARE Graduate Research Seminar, 2025 UCONN College of Agriculture, Health and Natural Resources Graduate Student Research Forum, 2025 Northeastern Agricultural and Resource Economics Association (NAREA) Annual Meeting, 2025 North American Productivity Workshop (NAPW)

From Aisles to Acres: How Specialty Grocery Stores Influence Farmer's Land Use Decision, 2024 Agricultural and Applied Economics Association (AAEA) Track Session

A Dual Approach to Addressing the American Farm Labor Shortage: From H-2A Policy Reform to Technological Innovations, 2024 AAEA C-FARE and GSS Policy Communications Competition, Third Place

OTHER INFORMATION

Citizenship: United States of America

Languages: English, Chinese Mandarin

Skills: Proficient in STATA, LaTeX, Python, R, Tableau, SQL, Excel Solver, Qualtrics, ArcGIS Pro, MATLAB