Vishavdeep Sharma

342 Ag Admin Building, 2120 Fyffe Road
Columbus, OH 43210.

Contact : sharma.1094@osu.edu, +1-614-687-4623
Website : vishavdeepsharma.com

Research Interests

Industrial Organization, Economics of Regulation, Oligopoly Theory, and Applied Microeconomics

Education

The Ohio State University (2022–2027 expected)
Ph.D. in Applied Economics

Jawaharlal Nehru University, Delhi (2019–2021)
M.Phil. in Economics

Gokhale Institute of Politics and Economics, Pune (2016–2018)
M.Sc. in Economics

University of Delhi (2013–2016)
B.A. (H) in Economics

Working Papers

Compliance Spillovers and the Limits of Free-Entry Neutrality (**Job Market Paper**)
Abstract: When large firms face cost shocks, does free entry protect consumers? I study a free-entry oligopoly in which compliance costs depend on rivals' compliance. An incumbent cost shock changes long-run output if and only if a new entry–compliance wedge is nonzero and compliance spills over across firms. The wedge measures how industry compliance changes when entrant output replaces incumbent output. Entry also creates a compliance externality that can reinforce or reverse the classic excess-entry result. U.S. environmental data show that compliance obligations grow far less than proportionally with firm size. In a calibration, a 10 percent increase in incumbents' marginal costs raises fringe entry by 43 percent and industry compliance by 35 percent, lowering output under a rivalrous spillover.

Price Floors, Market Structure, and Bertrand Equilibrium under Subadditive Costs (Revise and resubmit, ***Journal of Mathematical Economics***)
Abstract: I study a homogeneous-product Bertrand oligopoly with identical, strictly subadditive costs. The setting admits no equilibrium, in pure or mixed strategies. Cost asymmetry is known to restore existence. I show that a regulated price floor restores it under full cost symmetry. In the duopoly, the unique active symmetric equilibrium has both firms quoting the floor, and exists if and only if the floor lies in a cost-determined band, the set of prices at which an equal share of the market at least breaks even. Symmetric randomization generates no additional active equilibrium. The effect is non-monotone. Floors below the band leave non-existence intact; floors above it can sustain a natural-monopoly equilibrium, while sufficiently high floors sustain no active firm. With more than two firms, the floor also determines how many operate, the number of active firms first rising and then falling as the floor increases. On welfare, three or more active firms never maximize total surplus, so the relevant comparison is between a duopoly at a lower floor and a natural-monopoly outcome at a higher floor. I identify the strategy space as a distinct mechanism for restoring Bertrand existence under scale economies, alongside the cost-asymmetry, sharing-rule, and cost-curvature channels, and show that the same instrument also selects market structure.

The Role of Optimal Disaster Resilience and Recovery in Estimating Benefits of Climate Adaptation (with Adam Rose and Noah Dormady) (Under review, ***Environmental and Resource Economics***)
Abstract: Many studies have evaluated climate *adaptation* as a major strategy to reduce the potential

negative economic impacts of climate change induced disasters. Aside from property damage, disaster losses in terms of flows, such as a firm's profits at the micro level or GDP at the macro level, begin when the disaster strikes and continue until recovery takes place. This paper presents a formal model of *optimal economic recovery* from disasters for the individual firm as a lower bound estimate of flow losses, merging aspects of climate change economics and the economics of disasters. The paper combines important objectives, background considerations and functional relationships in an optimal control theory approach to analyze how investment in repair and reconstruction (R&R) reduces disaster flow losses in the assessment of the benefits of adaptation measures such as the construction of seawalls, installation of storm shutters, or enhanced vegetation management practices. R&R can be facilitated and enhanced by tactics referred to as *dynamic economic resilience*, which promotes the efficient allocation of resources over time. We distinguish two classes of tactics: those that hasten the implementation of the investment and those that lower its cost and thereby accelerate recovery. Tactics to accomplish the former include speeding up the removal of debris, insurance payments, and applying for public assistance. Tactics to accomplish the latter include shortening the gestation period for reconstruction activity and improving the efficiency of the repair/reconstruction effort. The results yield insights into optimizing behavior, trade-offs, and recovery time-paths with and without dynamic economic resilience.

Publications

Economic Baselines for Evaluating Disaster Resilience and Recovery (with Adam Rose, Noah Dormady, Yoshio Kajitani, Huan Liu, Hirokazu Tatano, and Maria Watson) (Forthcoming, *IDRiM Journal*)

The Optimal Bribe: Price Versus Quantity Competition in Oligopolies (with Krishnendu Ghosh Dastidar), *The Manchester School*, January 2026

Work in Progress

When Does Antitrust Enforcement Discipline Common Ownership? A General Equilibrium Analysis

Natural Disaster and Market Structure: Evidence from Florida Hurricanes (with Noah Dormady)

Cross-Border Common Ownership and the Gains from Trade in Employment

Self-Confirming Stigma and Skill-Substituting Technology

Policy and Other Writings

When is Corporate Bribery a Good Investment? (with Krishnendu Ghosh Dastidar), *ProMarket*, Stigler Center, University of Chicago Booth School of Business, June 2026

When Does Bribery Pay? Competition and the Corruption of Market Entry (with Krishnendu Ghosh Dastidar) (Under review, *Economic and Political Weekly*)

Teaching

Graduate Teaching Assistant, The Ohio State University

AEDECON 6110 Applied Quantitative Methods I (graduate, rated 4.9/5.0)	*Fall 2024*
AEDECON 3103 Agricultural Finance	*Fall 2023*
AEDECON 4003 Economics of Public Policy Analysis	*Fall 2022*

Guest Faculty (Lecturer), University of Delhi — undergraduate

Mathematical Methods for Economics (Sydsaeter and Hammond)	*Summer 2022*
Statistics for Business Studies (Devore)	*Spring 2022*
Mathematical Methods for Economics (Sydsaeter and Hammond)	*Spring 2022*
Intermediate Macroeconomics (Dornbusch, Fischer, and Blanchard)	*Spring 2019*
Introductory Macroeconomics; Research Methodology & Statistical Tools (Kothari)	*Spring 2019*
Principles of Economics (Mankiw)	*Fall 2018–Spring 2019*
Statistical Methods for Economics (Devore)	*Fall 2018–Spring 2019*
Mathematical Methods for Economics (Sydsaeter and Hammond) — *Sample materials*	*Fall 2018*

Research Positions

Research Associate to Noah Dormady (NSF-funded project) and Ian Sheldon (Fall 2025–Present)

Research Associate to Ani Katchova, Farm Income Enhancement Program (Spring 2023–Summer 2024)

Honors and Fellowships

Junior Research Fellowship from University Grants Commission, India — 99.78 percentile. *Aug 2019*

Conferences, Seminars, and Invited Talks

GLO-Bonn 2026 Conference, Global Labor Organization (GLO), Bonn, Germany. *Dec 2026*

AI in Business Conference, Max M. Fisher College of Business, The Ohio State University, Columbus, OH, USA. *Oct 2026*

Invited Speaker, "Getting Started with Research," Department of Economics, Atma Ram Sanatan Dharma College, University of Delhi, India. *Sep 2026*

16th International Conference of the Integrated Disaster Risk Management (IDRiM) Society, Bali, Indonesia.* *Sep 2026*

Seminar, Grantham Research Institute, London School of Economics, London, UK.* *July 2026*

7th World Congress of Environmental and Resource Economists, Lisbon, Portugal.* *July 2026*

15th International Conference of the Integrated Disaster Risk Management (IDRiM) Society, Samos Island, Greece.* *Sep 2025*

Invited Speaker, International Research Workshop, EconTricks, Shyama Prasad Mukherjee College for Women, University of Delhi, India. *Sep 2025*

Agricultural & Applied Economics Association, Annual Meeting, New Orleans, LA, USA. *July 2024*

Asia Meeting of the Econometric Society, Mumbai, India. *Jan 2023*

Winter School of Delhi School of Economics and The Econometric Society, Delhi, India. *Dec 2021*

13th International Conference on Modern Research in Management, Economics and Accounting (MEACONF), Amsterdam, Netherlands. *Nov 2021*

* Denotes presentation by a coauthor.

Outreach and Extension

Strategic Bribery and Market Entry in Emerging Economies: A Game-Theoretic Analysis (with Ian Sheldon)
Poster presentation, CFAES Research Poster Competition, The Ohio State University, 2025.

Breaking Barriers: US Firms in Emerging Markets (with Ian Sheldon)
Poster presentation, Engaged Scholarship Symposium, The Ohio State University, 2024.

Foreign Investments in Ohio Farmland (with Rabail Chandio and Ani Katchova)
AEDE, CFAES, The Ohio State University, 2024.

Preserving Ohio Farms and Ohio Farmlands (with Ani Katchova, Xiaoyi Fang, Rae Ju, and Zhining Sun)
Presentation, Farm Income Enhancement Program, 2024.

Media Mentions and News Articles

AAEA Blog. *Members in the News: April 2024.* April 29, 2024.

Mansfield News Journal. *Foreign ownership of Ohio farmland has been on the rise.* April 26, 2024.

Ohio's Country Journal. *A Look at Foreign Investment in Ohio Farmland.* April 25, 2024.

Morning AgClips. *Foreign Investors in Ohio Farmland.* April 22, 2024.

Ohio Ag Manager. *Foreign Investments in Ohio Farmland.* April 15, 2024.

OSU Water Cooler Economics (CFAES). *Foreign Investments in Ohio Farmland.* March 8, 2024.

AEDE-OSU. *The Farm Income Enhancement Program hosts Farm Credit Mid-America visit to AEDE.* February 19, 2024.

AEDE-OSU. *The Farm Income Enhancement Program hosts Ohio Farm Bureau visit to AEDE.* February 16, 2024.

WTVG 13abc Action News | Toledo, OH. *13 Action News Big Story: Foreign-owned Land in the U.S.*

Technical Skills

Coding: R, Stata, Python, Matlab, LaTeX

Languages: English (fluent), Hindi (native), Sanskrit (intermediate)

Leadership and Service

Referee, *Undergraduate Journal of Agricultural and Applied Economics*

Founder and Instructor of the YouTube channel Economics Learning Centre, which provides free video lectures for economics aspirants. *Since July 2018*

Head of the Sports Committee, Gokhale Institute of Politics and Economics. *Aug 2017–July 2018*

References

Ian Sheldon (chair)
AEDE, The Ohio State University
sheldon.1@osu.edu

Adam Rose
Price School, University of Southern California
adam.rose@usc.edu

Seungki Lee
AEDE, The Ohio State University
lee.10168@osu.edu

Noah Dormady
Glenn College, The Ohio State University
dormady.1@osu.edu