

David Turner

CONTACT INFORMATION	Phone: (845) 332-5997 Email: dmturner@iu.edu
RESEARCH FIELDS	Primary: International Trade, Shipping Economics, and Industrial Organization Secondary: Networks and Computational Economics
EDUCATION	Indiana University , Bloomington, Indiana USA Ph.D. Economics and Complex Systems and Networks Science (Expected May 2023) M.A. Economics, January 2019 SUNY Geneseo , Geneseo, New York USA B.A. Economics and B.A. Mathematics, May 2017 3.79/4.0 GPA London School of Economics , London, England, UK General Course, Fall 2015-Spring 2016 4.0/4.0 GPA
HONORS AND AWARDS	Indiana University: Best Third Year Paper, 2020. W. Phillip Saunders Award: Best introductory economics graduate instructor, 2020. Tobias Center Research Grant, 2020. Affiliate Fellow of Complex Networks and Systems National Science Foundation Research Program, 2019-Present. SUNY Geneseo: Graduated Phi Beta Kappa and <i>Magna Cum Laude</i> . Golden Key, Phi Eta Sigma Honor Societies. Dean's List all semesters.
PROGRAMMING	R, Python, QGIS, MATLAB, Excel (VBA), FORTRAN, Stata, L ^A T _E X
PROFESSIONAL EXPERIENCE	Marsoft Incorporated , Boston, Massachusetts USA <i>Summer Associate</i> Full Time, Summers 2020-2021 <ul style="list-style-type: none">Executed independent project to refine forecasting models for spot earnings, time charter rates, and vessel valuations by integrating analysis of macroeconomic market fundamentals within an adaptive, statistical learning, time series-regression modeling framework. Primary focus on Dry Bulk and Tanker market segments.Delivered internal presentations to President and senior leaders of project results and forecasting quality review:<ul style="list-style-type: none">Evaluated forecast performance against industry benchmarks.Proposed areas of future modeling innovations with implementation details.Utilized interactive (HTML based) visualizations of key results.Created technical documentation and sophisticated training resources for internal analysts. Center for Government Research , Rochester, New York USA <i>Research Associate</i> Full Time, Summer 2017 <ul style="list-style-type: none">Provided socioeconomic/ fiscal impact analyses and visualizations for Chautauqua County's Municipal Consolidation and Efficiency Competition (MCEC) application through use of county tax, property values, and US Census data.Performed comparative analyses of municipal lead-paint policy implementation, enforcement, and outcomes.Facilitated technical support for InformANALYTICS, a cost-benefit analysis tool for industrial development agencies.

WORKING PAPERS

Off course? Knot anymore. Cost efficiencies and the Panama Canal Expansion (Job Market Paper).

Contribution: Analyzed impact of the 2016 Panama Canal's expansion on routing and volume dynamics of US imports. Leveraging shipping micro-data within an event study framework, I find that: (i) the expansion led to 3.9% increase in import volumes; (ii) approximately 50% of the volume effect is driven by the use of larger ships; (iii) product level heterogeneity in time-sensitivity is a significant predictor importing firms route switching; and, (iv) the majority of total cost savings accrue to Midwestern metropolitan areas.

Presented: Indiana-Purdue Trade Conference (first place award competition), Southern Economics Association Meetings (2020), Indiana Trade Seminar (2020), Indiana Microeconomics Seminar (2020).

Fathoming Shipping Costs: An Exploration of Recent Literature, Data, and Patterns. World Bank Transport Flagship Report "Shrinking Economic Distance" (Forthcoming, with Adina Ardelean, Volodymyr Lugovskyy, and Alexandre Skiba)

Contribution: Conducted within freight-industry comparison of developments in fuel efficiency; investigated temporal-spatial analysis of dry-bulk shipping spot rates; and, estimated freight cost distance elasticity time-series of US imports.

Presented: World Bank Transport Group's Virtual Authors' Workshop (2022).

Shipping Towards Green Horizons (with Volodymyr Lugovskyy and Ahmad Lashkaripour)

Contribution: Estimated long-run oil shock pass through rates for U.S. imports by transport mode and as function of market structure. I model import demand for U.S. firms and capture mode switching dynamics driven by cross price and time sensitivity. I find simulate the effect of reducing containership speed and imposing a carbon tax on container imports only. Both scenarios induce a substitution towards carbon-intensive shipping modes and increase U.S. carbon emissions from trade by 47.9%

Presented: Indiana Trade Seminar(2022), Southern Economics Association Meetings (2021).

Who pays for the Border Effect? General Equilibrium Welfare Impacts of Removing the US-Canadian Border (with Léonie Stone)

Contribution: Analyzed impact of removing the US-Canadian border on within US/Canadian and international manufacturing trade. The analysis is the first to incorporate input-output tables in a tractable general equilibrium framework. Border removal is equivalent to eliminating 24.7% tariff on manufacturing trade (compared to 0.6% median US-Canadian manufacturing tariff). I calculate welfare changes from border removal and find substantial welfare heterogeneity across U.S. states/Canadian provinces.

Presented: Western Economics Association Meetings (2022), Eastern Economics Association Meetings (2017), SUNY Geneseo GREAT Dady (2017), COPLAC Northeastern Regional Conference (2016).

On Cooperation in Finitely and Indefinitely Repeated Prisoner's Dilemma Games (with Volodymyr Lugovskyy, Daniela Puzzello, and James Walker)

Contribution: Employed machine learning techniques to analyze the marginal effects of prisoner dilemma game parameters on predicting game-cooperation rates.

TEACHING EXPERIENCE

Indiana University, Bloomington, Indiana USA

Associate Instructor (full teaching responsibility)

Principles of Microeconomics

Spring 2019, Summer 2019, Spring 2020, Fall 2020

Intermediate Microeconomics

Fall 2018, Summer 2019, Fall 2019

Teaching Assistant

Principles of Microeconomics

Fall 2017, Spring 2018, Summer 2020, Spring 2021

Intermediate Microeconomics

Summer 2020

PROFESSIONAL SERVICE

Journal Peer-Review: Quarterly Review of Economics and Finance; Southern Economics Journal

Community Enrichment: Indiana University-Spellman College Research Training Course

REFERENCES

Dr. Volodymyr Lugovskyy (Chair)

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Dr. Arlie Sterling

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Dr. Kent Gardner

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Dr. Léonie Stone

Assistant Professor (Economics)
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