SEAN HWANG

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EDUCATION

Brandeis University, Waltham, MA　　　　　　　　　　　　　　　　Expected May 2026
Ph.D. in International Economics and Finance

Tufts University, Medford, MA　　　　　　　　　　　　　　　　　　　　May 2020
MS in Economics

Pomona College, Claremont, CA　　　　　　　　　　　　　　　　　　　　May 2017
BA in Economics

RESEARCH INTERESTS

Empirical International Trade Policy, Environment, Global Value Chains

RESEARCH PAPERS

"How do Trump Tariffs Affect Carbon Emissions?"

- Quantified the environmental impact of U.S. tariffs using a global CGE model, showing that emissions fall modestly through cleaner production.
- Demonstrated that tariffs impose widespread economic costs with no clear regional beneficiaries, as trade and GDP decline globally.

"What is the Effect of the Korea-US Free Trade Agreement on Global Value Chains?"

- Found that the free trade agreement increased global value chain participation between Korea and the US in the auto industry

"The Economics of the Net Zero Transition: Policy Scenarios and the Role of Trade and Cooperation" with Peter Petri and Michael Plummer

- Demonstrated that Net Zero Emissions can be achieved with minimal GDP loss, accounting for distributional effects
- Identified the significant role trade policies can play in mitigating the costs of achieving Net Zero Emissions

TEACHING EXPERIENCE

Adjunct Professor, Brandeis University　　　　　　　　　　　　　　　　2024-2025

International Trade Policy and Institutions
Statistical Modeling with R for Economics and Finance
Oral Communication in Economics Practicum

Teaching Assistant, Brandeis University　　　　　　　　　　　　　　　　2021-2024

Applied International Macroeconomics with Carol Osler
Money & Banking with Scott A. Redenius
Economic Development Strategies with Judith Dean
Empirical Analysis of Trade Policy with Judith Dean

Teaching Assistant, Tufts University　　　　　　　　　　　　　　　　　2019-2020

Principles Economics with Environmental Application with Ujjayant Chakravorty
Principles Economics with Nancy Kimelman

WORK EXPERIENCE

Research Assistant, Brandeis University 2021-2022
- Analyzed real-time foot traffic data to observe changes in visits to cancer centers due to COVID-19 with Ben Shiller
- Measured the impact of the Cash-Out program using Supplemental Security Income data with Amelia Hawkins
- Constructed Multi-Region Input-Output Table (MRIOT) from GTAP data

Research Assistant, Tufts University 2020
- Collaborated with the Neighborhood Housing and Community Development Department in Austin and the Office of Housing Stability in Boston to analyze the impact of COVID-19 and rental relief funds on rent payments with Shomon Shamsuddin

Research Assistant, Harvard University 2016, 2018
- Developed a digital database of macroeconomic indicators for countries in the Middle East and North Africa with Melani Cammett

Intern, Korea Development Institute 2014
- Facilitated communication and diplomacy between high-level foreign officials and program hosts

SKILLS

Programming	Stata, R, MATLAB, SQL
Other Skills	LaTeX, TABLO, GEMPACK, ABBYY Finereader, Microsoft Office
Language (Native)	English, Korean
Other Languages	Arabic, Latin

REFERENCES

Peter Petri
Carl Shapiro Professor of International Finance
Brandeis University
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George Hall
Fred C. Hecht Professor in Economics
Brandeis University
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Judith Dean
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