

COLIN DAVISON

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EDUCATION

University of Notre Dame

PhD, Economics

Expected 2023

MA, Economics

2019

Miami University

BA, Economics, *summa cum laude*

2015

RESEARCH INTERESTS

Innovation Economics, Labor Economics, International Trade, Entrepreneurship

JOB MARKET PAPER

[More Competition, Better Products: Evidence from a Novel Classification of Patents](#)

Abstract: This paper uses the text of patents and machine learning techniques to classify patents as product or process innovations. To examine the role of competition in shaping innovation, I combine this newly created data with plausibly exogenous variation in foreign import competition induced by large tariff cuts. Using a difference-in-differences strategy, I find that firms increase their product innovation in response to increased import competition but import competition has no effect on process innovation. Heterogeneity analysis provides evidence that the effect on product innovation is stronger for firms operating in industries with wider scope for product differentiation.

WORKING PAPERS

Knowledge Spillovers of Products and Processes

Resilient Innovation: Corporate Invention and Remote Work

Imports, Exports, and Employment: India's Trading Relationship with China

WORK IN PROGRESS

Compulsory Innovation: How Education Forms Inventors (with K. Doran and C. Yoon)

The Effect of Applied Science on Basic Research: Evidence from Clinical Trials (with K. Doran and I. Ganguli)

RESEARCH EXPERIENCE

University of Notre Dame

Research Assistant to Professor Christopher Cronin

Fall 2021-Fall 2022

Research Assistant to Professor Kirk Doran

Fall 2020

Research Assistant to Professor Taryn Dinkleman

Fall 2019-Spring 2020

Research Assistant to Professor Ethan Lieber

Spring 2019

TEACHING EXPERIENCE

University of Notre Dame

Instructor, Principles of Microeconomics

Summer 2022

Teaching Assistant, Principles of Microeconomics

Spring 2021

Teaching Assistant, Principles of Microeconomics

Fall 2018

Miami University

Tutor, Economics and Calculus I

Fall 2012-Spring 2013

TRAININGS

NBER Entrepreneurship Research Boot Camp

Summer 2022

SKILLS

Software: Python (scikit-learn, NumPy, Pandas, NLTK, PySpark), R, SQL, C, STATA, L^AT_EX

Database: USPTO PatentViews, Google Patents, Compustat, PubMed

AWARDS AND SCHOLARSHIPS

University of Notre Dame

Kellogg Institute Doctoral Student Affiliate

2020-2021

Presidential Fellowship in Humanities and Social Sciences

2018-2023

REFERENCES

Kirk Doran (Chair)
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William Evans
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Robert C. Johnson
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Jeffrey Campbell
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