Yanchao Yang

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EDUCATION

Ph.D., Economics, University of California, Riverside	2021
M.A., Economics, University of California, Riverside	2017
B.S., Financial Mathematics, Shanghai Finance University, China	2015

EMPLOYMENT

Assistant Professor of Business Analytics, DePauw University	2024 - present
Clinical Instructor, Department of Economics, DePaul University	2021 - 2024

RESEARCH FIELDS

Health Economics, Business Analytics, Machine Learning, Artificial Intelligence

PUBLICATION

1. Yanchao Yang, Sota Fujii, Thinh Nguyen, "Birth Outcomes in the Hispanic Population in the United States: Trends, Variation, and Determinants (2011–2021)", *International Journal of Environmental Research and Public Health*, 2025, 22, 1325.

2. Yanchao Yang, Maggie Mullen, and Guangda Zhang, "Racial Disparities in Cesarean Section Rates Between Non-Hispanic Black and Non-Hispanic White Populations in the United States", *Atlantic Economic Journal*, 2024, 52, 213–228.

3. Anthony T. Lo Sasso, Kevin Toczydlowski, and Yanchao Yang, "Insurer Market Power and Hospital Prices In The US", *Health Affairs*, 2023 42:5, 615-621.

WORKING PAPERS

1. "Predicting Thoroughbred Yearling Auction Prices with Machine Learning: Evidence from the Keeneland September Sale" — under review, *Journal of Agricultural and Applied Economics*

2. "Marijuana Legalization and Infant Health in the U.S." — under review, *Health Economics*

3. "Interpretable and Predictive Machine Learning for C-Section" — under review, *Journal of Medical Internet Research*

4. "The Economics of Psychological Well-being: Evidence from the United States Using Machine Learning Methods".

TEACHING EXPERIENCE

DePauw University

Business Analytics Senior Capstone	Fall 2025
Gateway to Business Analytics	Fall 2024, Spring 2025
Machine Learning for Business Analytics	Fall 2024, Spring 2025
Machine Learning for Healthcare	Spring 2025

DePaul University

Business Analytics	Fall 2022 - present
Analytics for Economics (Econometrics)	Spring 2022, Spring 2023
Health Economics	Winter 2022, Winter 2023
Principles of Microeconomics	Fall 2021, Winter 2022, Spring 2022
Descriptive and Diagnostic Business Analytics	Winter 2024

University of California, Riverside

Economic Development: Theory and Policy	Summer 2018, Summer 2019, Summer 2020

RESEARCH GRANT

1. 2025 ASHER Summer Research Funds, DePauw University, $12,800

2. "Doctor Decisions and Machine Prediction: A Machine Learning Approach to Cesarean Sections", 2022 Summer Research Grant, DePaul University, $12,500.

3. "The Role of Health Insurance on Cesarean Section Utilization and Infant Health: Evidence from the Affordable Care Act Medicaid Expansion", 2023 Summer Research Grant, DePaul University, $12,000.

PRESENTATIONS

DePauw University Research Seminar	November 2024
DePaul University Economics Department Seminar	October 2021
University of California Riverside Applied Economics Colloquium	October 2019
APPAM Regional Student Conference, Claremont Graduate University	March 2018

PROFESSIONAL ACTIVITIES and SERVICES

DePauw University

2025 New Students Orientation at School of Business and Leadership

Leader of 2024 – 2025 Writing Group

2025 Business Analytics Search Committee

Referee/Reviewer for:

Health Affairs, Principles of Microeconomics by Mishkin & Perloff, Health Care Management Science, International Journal of Finance and Economics, 2024 ASHECON Conference, Journal of Medical Internet Research, American Journal of Preventive Medicine

Media Mentions

Science Magazine, Racial Gaps in US Cesarean Section Rates, May 22, 2025
Scientific Sense, Healthcare Providers, payors, prices and Markets, podcast by Gill Eapen, April 8, 2024

AWARDS AND MEMBERSHIPS

University of California Riverside Teaching Assistantship	2016 - 2020
University of California Riverside Dean's Distinguished Fellowship Award	2015 – 2020
Member of American Society of Health Economists	2022-present

LANGUAGES

English (Fluent), Mandarin (Native)

SOFTWARE SKILLS

Python, STATA, R, Matlab, Microsoft Office