

## **Jialin Hou**

### Contact information

College of Public Health, University of Kentucky  
Research Facility #1, Lexington, KY 40536  
jialin.hou@uky.edu

### Employment history

Postdoctoral researcher, Department of Health Management and Policy, College of Public Health,  
University of Kentucky 2023-2025

### Education history

Ph.D. in Economics, Department of Economics, University of Pittsburgh 2023  
M.Sc. in Economics, Department of Economics, University of Wisconsin-Madison 2014  
Bachelor in Economics, School of Economics, Fudan University 2013

### Research topics

Health economics: substance use, Medicaid, Medicare

### Working papers

1. The Impact of State Medical and Recreational Cannabis Laws on non-fatal Opioid Poisoning in Employer-sponsored Health Insurance, Jialin Hou, Jeffery C. Talbert, Patricia Freeman, Jayani Jayawardhana
2. The Impact of State Cannabis Legalization on Cannabis Use Disorder and Cannabis Poisoning: Evidence from Employer-Sponsored Health Insurance, Jayani Jayawardhana, Jialin Hou, Patricia Freeman, Jeffery C. Talbert, Revise and Resubmit at JAMA Psychiatry
3. Cannabis Use and Healthcare Utilization among Older Adults in the U.S., Jialin Hou, Jayani Jayawardhana
4. Trends in Cannabis Use Disorder and Cannabis Poisoning During the COVID-19 Pandemic, Jialin Hou, Jeffery C. Talbert, Patricia Freeman, Jayani Jayawardhana

### Work in progress

1. The Impact of Medicaid Expansion on Financial Distress Disparity, Jialin Hou, Joseph Benitez
2. The Impact of Credit Access on Healthcare Expenditures, Jialin Hou
3. The Impact of State Medical and Recreational Cannabis Laws on Asthma, Jayani Jayawardhana, Catherine McLean, Jialin Hou
4. Trends in Cannabis Use Disorder and Cannabis Poisoning in Chronic Pain Diagnosed Patients, Jialin Hou, Jeffery C. Talbert, Patricia Freeman, Jayani Jayawardhana
5. Machine learning as a Tool in Predicting Opioid and Cannabis Poisoning, Jialin Hou, Jeffery C. Talbert, Patricia Freeman, Jayani Jayawardhana

### Published paper

1. Detecting Disruption: Identifying Structural Changes in the Verkhovna Rada, Thomas Magelinski, Jialin Hou, Tymofiy Mylovanov, Kathleen M Carley, Social, Cultural, and Behavioral

Modeling: 12th International Conference 2019 proceedings

Courses taught

Guest Instructor, for graduates, Stata hands-on, University of Kentucky 2023  
Instructor, for undergraduates, advanced game theory, University of Pittsburgh 2020, student teaching evaluation score: (averaged) 4.57/5.0

Presentations

Invited seminar speaker, Indiana University of Pennsylvania, Indiana PA 2022  
Oral, North American Summer Meeting of the Econometric Society, Miami 2022  
Oral, Annual Conference of the Society of Economic Dynamics, Minneapolis (online) 2021  
Oral, North American Summer Meeting of the Econometric Society, Seattle 2019  
Oral, Sunbelt Social Networks Conference of the International Network for Social Network Analysis, Montreal 2019  
Oral, International Conference on Social Computing, Behavioral-Cultural Modeling & Prediction and Behavior Representation in Modeling and Simulation, DC 2019  
Poster, University of Kentucky Center for Clinical and Translational Science Spring Conference, Lexington KY 2024  
Poster, University of Kentucky Public Health Showcase, Lexington KY 2024  
Poster, University of Pittsburgh Advancing Research through Computing, Pittsburgh 2019

Honor and grants

Data grant, Data Center Project No. 540, Center for Financing, Access and Cost Trends, Agency for Healthcare Research and Quality 2020  
Poster prize, 2<sup>nd</sup> place postdoctoral group, Public Health Showcase, University of Kentucky 2024  
Poster prize, Advancing Research through Computing, University of Pittsburgh 2019

Big Data used in research

Merative MarketScan Commercial Claims and Encounters Database and Multi-state Medicaid Database 2008-2023, accessed at University of Kentucky  
Experian Consumer Credit Panel Data 2004-2018, accessed at University of Pittsburgh

Software used in research

SQL-sever, Stata, R and Rstan, Slurm and Google Cloud, Matlab and Dynare, ORA

Reference

Dr. Jayani Jayawardhana  
Associate Professor  
College of Public Health  
University of Kentucky  
Research Facility #1  
Lexington, KY 40536  
jja302@uky.edu

Dr. Joseph Benitez  
Assistant Professor  
Martin School of Public Policy  
and Administration  
University of Kentucky  
351B Patterson Office Tower  
Lexington, KY 40536  
joseph.benitez@uky.edu

Dr. Coleman Drake  
Assistant Professor  
School of Public Health  
University of Pittsburgh  
A614 Public Health  
Pittsburgh, PA 15261  
CDRAKE@pitt.edu