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INDIANA UNIVERSITY

Office Contact Information
Wylie Hall 105
Department of Economics, Indiana University
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Education:

Ph.D (Expected), Economics, Indiana University, 2018 to present
MA, Economics, Economics, Indiana University, 2018-2021
MA, Economics, Xi'an Jiaotong University, 2016-2018
BA, Economics, Xi'an Jiaotong University, 2012-2016

References:

Ruli Xiao, Associate Professor
Department of Economics, Indiana University
Bloomington, Indiana 47405-7104
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Stefan Weiergraeber, Assistant Professor
Department of Economics, Indiana University
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Phone: +1 (812) 855-2146
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Research Fields:

Primary field: Industrial Organization

Secondary fields: Applied Microeconomics; Applied Microeconometrics.

Computer Skills:

Matlab, Stata, R, Python, Fortran

Research Papers:

"Identification of hyperbolic discount factor in dynamic discrete choice model with multiple terminating actions"

<Abstract> This paper studies identification of quasi-hyperbolic discount dynamic discrete choice models in both finite and infinite horizons, exploring the unique features of the presence of multiple terminating actions. Under economically meaningful exclusion restrictions, the identification of discount factors is characterized by polynomial moment conditions. The presence of multiple terminating actions greatly reduces the complication of the identification and also helps relax the restrictions imposed on the flow utility function. This paper also examines the impact of estimating the `underlying' hyperbolic discounting model as the prevalent exponential discount model. I find that such misspecification could lead to misleading policy implications.

"Identification of Dynamic Discrete Choice Models with Hyperbolic Discounting Using a Terminating Action" with Ruli Xiao and Stefan Weiergraeber

<Abstract> We study the identification of dynamic discrete choice models with hyperbolic discounting using a terminating action. We provide novel identification results for both sophisticated and naive agents' discount factors and their utilities in a finite horizon framework under the assumption of a stationary flow utility. In contrast to existing identification strategies we do not require to observe the final period for the sophisticated agent. Moreover, we avoid normalizing the flow utility of a reference action for both the sophisticated and the naive agent. We propose two simple estimators and show that they perform well in simulations.

Working in Progress:

"New Technology, Environmental Impact and Time Preference: Evidence from Electric Vehicle Adoption"

"Who Benefits from EV Subsidies - The Role of Vertical Relationships and Price Discrimination"

"Portfolio Considerations in Automobile Purchases: EV versus Gasoline?"

Honors and Awards:

Top-up Fellowship	Indiana University 2018
Lloyd Orr Dissertation Fellowship	Indiana University 2022

Presentations and Conferences

Presentation, "Portfolio Considerations in Automobile Purchases: EV versus Gasoline?", IU Applied Microeconomics Brownbag. Presented on Sept 12th, 2022

Presentation, "Identification of Dynamic Discrete Choice Models with Hyperbolic Discounting Using a Terminating Action", The 16th International Symposium on Econometric Theory and Applications: SETA2022 (Online Conference). Presented on July 21st, 2022

Presentation, "Identification of Dynamic Discrete Choice Models with Hyperbolic Discounting Using a Terminating Action", The Institute for Advanced Economic Research (IAER) (Virtual). Presented on June 26th, 2022

Presentation, "Who Benefits from EV Subsidies - The Role of Vertical Relationships and Price Discrimination", IU Microeconomics Brownbag (Virtual). Presented on February 11th, 2022

Presentation, "Identification of hyperbolic discount factor in dynamic discrete choice model with multiple terminating actions", Hoosier Economics Conference at Indiana University (Virtual). Presented on April 30th, 2021.

Presentation, "Identification of hyperbolic discount factor in dynamic discrete choice model with multiple terminating actions", IU Microeconomics Seminar Series (Virtual). Presented on April 23rd, 2021