CHAO WANG

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PROFILE

- Ph.D candidate of economics at Indiana University, adept at industrial organization and econometrics
- Five-year hands on experience with reduced-form and structrual estimation in R, Python, and Matlab
- Proficient skills in working with large scale data, survey data and discrete choice experiment data
- Proven track record of cooperation and communication skills

EDUCATION

Indiana University, Bloomington — Ph.D in Economics (STEM) *2018-2024 (expected)*
Fields: Empirical Industrial Organization, Applied Econometrics, Applied Microeconomics
Xi'an Jiaotong University (China) — MA in Economics *2016-2018*
Xi'an Jiaotong University (China) — BA in Economics *2012-2016*

SKILLS

Economics
Demand Estimation: random coefficient nested logit model, BLP, dynamic discrete choice model
Causal Inference: Diff-in-Diff, IV, Regression Discontinuity
Programming
Statistical Modeling: R, Matlab, Python, Stata, Fortran
Database and Version Control: MySQL, Git

EXPERIENCE

Research Assistant, Department of Economics, Indiana University *Summer 2023 - Present*
- Using MySQL to extract information from large scale gamer database of user profile and experience.
- Summarizing the information extracted from database and providing statistical analysis using R.

Vehicle Holding Heterogeneity and Electric Vehicle Subsidy Policy *2022-Present*
- Investigating heterogenous California households' response to electric vehicle subsidy scheme, using aggregate market share data and micro survey data.
- Proposing a better subsidy scheme in to promote EV adoption given the same subsidy expenditure.
- Conducting reduced-form results using R, and structurally estimating using Matlab.

Who Benefits from EV Subsidies - The Role of Price Discrimination *2021-Present*
- Investigating California vehicle markets' strategic responses to electric vehicle subsidy, using large scale data covering all new vehicle registrations from 2014 to 2016.
- Using random coefficient nested logit model to estimate market demands for different types of vehicles.
- Cleaning and visualizing data using R, and structurally estimating using Python.

Identification of Dynamic Discrete Choice Models with Hyperbolic Discounting Using Terminating Actions *2020-2022*
- Providing novel identification results for dynamic discrete choice models with hyperbolic discounting.
- Leveraging terminating action to aviod widely used normalization assumption.
- Simulating model using Matlab, and visualizing results using Python.