ANH DUC DO

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EDUCATION

Ph.D. in Economics | Michigan State University, East Lansing, MI **Expected May 2025**
- Passed Ph.D. Qualifying Exam in Econometrics with Distinction

M.A. in Economics | Michigan State University, East Lansing, MI **May 2021**

B.A. in Economics with Mathematics minor | Dickinson College, Carlisle, PA **May 2019**
- Honors: *summa cum laude*, Phi Beta Kappa

WORK EXPERIENCE

Teaching Assistant/Instructor **August 2019 – Present**
Michigan State University East Lansing, MI
- Enhance student learning through dedicated office hours and personalized academic support
- Designed and delivered an online Introduction to Microeconomics course to 87 students

Statistical Consultant **May 2023 – May 2024**
MSU Center for Statistical Training & Consulting East Lansing, MI
- Provided high-quality statistical services to MSU faculty, staff, and graduate students, including data collection and management, survey design, research question formulation, and statistical modeling
- Produced technical reports and presented complex statistical analyses to diverse audiences
- Prepared, negotiated, and signed a consulting bid to secure extra funding for CSTAT ($1,585)
- Managed multiple projects simultaneously to ensure prompt delivery of services

Research Assistant for Dr. Prabhat Barnwal **August 2022 – December 2022**
Michigan State University East Lansing, MI
- Objective: Analyze the impacts of the 2017 Goods and Services Tax (GST) system in India on state border crossing times, border checkpost delays, and bribery
- Cleaned relay-trucking and survey data, and created summary reports/visuals
- Performed preliminary statistical analyses in Stata

Research Assistant for Dr. Oren Ziv **May 2021 – August 2021**
Michigan State University East Lansing, MI
- Objective: Study the causal impacts of transshipping activities on trade flows and global supply chains
- Processed hundreds of millions of daily containerized U.S. imports from 2007-2018
- Used the supercomputer at MSU to perform preliminary econometric analysis, including Poisson Pseudo-Maximum Likelihood Estimation with high-dimensional fixed effects and Instrumental Variable design

SELECTED PROJECTS

"Anticipating Tariff Changes: Did American Importers Respond to Trump's 2016 Victory?"
- Applied causal inference methods (triple-differences, event study, fixed effects) to examine how American importers responded to tariff threats induced by the 2016 U.S. presidential election
- Found that firms buying high-risk products from China stockpiled in anticipation of potential tariffs (5% increase in quarterly imports across all firms, 15% increase for the smallest quintile of firms)
- Showed that firms were unable to adjust their supplier networks in the short run

"MSU College of Osteopathic Medicine (COM) Reports Compendium"
- Developed and deployed an R package for MSU COM to evaluate the curriculum and predict student performance on high-stakes licensing exams
- Built, trained, and evaluated classification models (logistic and decision tree) to determine strong predictors of passing COMLEX-USA Level 1 (achieving an accuracy of 91%) and revise the cutoff score on practice exam
- Fitted Bayesian generalized linear models to predict COMLEX-USA Level 2-CE scores
- Created a pipeline to streamline recurrent data updates, iterative imputation of missing data, and periodic production of reproducible individualized reports

SKILLS

Research Methods	Causal Inference, Machine Learning, A/B Testing, Advanced Regression Analysis, Bayesian Statistics, Data Analysis/Visualization
Software/Programming	Stata, R, Python, SQL, Git, Microsoft Office, LaTeX
Languages	Vietnamese, English, Mandarin Chinese