DAVID MERDIAN

Louisville, KY, 40205 • Cell (502) 475-4143 • david.merdian@yahoo.com • U.S. Citizen

EDUCATION

M.A. in Applied Economics	Western Kentucky University	G.P.A.: 3.50	May 2021
B.A. in Economics, Minor: Legal Studies	Western Kentucky University	G.P.A.: 3.32	Dec. 2019
Certificate in Business Data Analytics	Western Kentucky University	G.P.A.: 3.16	Dec. 2019

QUALIFICATIONS

Econometrics and Data Analytics

- Experience conducting econometric analysis. Thesis research employs econometric methods measure the impact of monetary policy shocks on state economies. Proficiency in econometric analysis in R, SAS, STATA
- Graduate level econometric coursework includes cross-sectional analysis, panel data, time series, regression analysis, panel data methods, maximum likelihood estimation, vector regression, probit and logit models, and Causal Inference Regression designs (Diff-in-Diff)

Economic Analysis

- Knowledge of methods employed in macroeconomics analysis including Vector Autoregression and DSGE Models

Computer Skills

- R (incl. machine learning), SAS, SAS/IML, Stata, Python, PowerBI, SQL, Access

PROFESSIONAL EXPERIENCE

Treasuer, Francisco for Bowling Green City Commissioner, Bowling Green, KY   June 2020–Jan 2021

- Successfully developed and implemented grassroots fundraising strategies
- Facilitated and managed budget and fund-raising schedule for the entire campaign
- Maintained compliance with state campaign finance laws
- Used economic theory to develop campaign policy priorities

Student Intern, PCCW Solutions, Hong Kong   June-August, 2019

- Retrained to a serviceable proficiency in python during the first two weeks on the job
- Constructed a database and PowerBI dashboard of Hong Kong doctors using Python web-scraping
- Modelled mobile data traffic in a PowerBI dashboard to aid PCCW's 5G rollout planning

Public Health Intelligence Intern, London Borough of Hackney   June–August, 2018

- Assembled and analyzed General Practitioner registration data for the Borough of Hackney and City of London to assist in broader resource allocation optimization efforts
- Produced maps of this data to provide a visual means of communicating results

PRESENTATIONS

- Western Kentucky University Student Research Conference   2021

RESEARCH PAPERS

Master's Thesis: *State-level Impacts of Monetary Policy Shocks and Implications thereof for the Optimal Currency Area Status of the United States*

- Replicated and extended Romer and Romer (2004) monetary policy shock series
- Regressed this series against Coincident Economic Index data to test OCA status of the US
- Found that the US might not be an optimal currency area, as the effect of policy shocks differed between states and thus that certain states might benefit from having their own currency

Capstone Project: *Impact of Environmental Factors on General Practitioner Registration Rates in the Borough of Hackney and City of London*

- Used multivariate regression to examine the effect of crime, churn, poverty, and transit access on General Practitioner registration rates
- Found that churn and crime rates generally had a statistically significant effect, while poverty and transit access did not