

Shadi Seyedi

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Education

University of Maryland, Baltimore County

Baltimore, MD

PH.D. IN PUBLIC POLICY, EVALUATION AND ANALYTICAL METHODS (GPA: 3.9/4)

Expected 2025

- Received Full Tuition Scholarship

University of Delaware

Newark, DE

M.SC. IN ECONOMIC AND APPLIED ECONOMETRICS (STEM) (GPA: 3.2/4)

Jul 2017 - Aug 2019

- Received Full Tuition Scholarship

Ferdowsi University of Mashhad

Mashhad, Iran

B.A. IN ECONOMIC SCIENCES (GPA: 3.9/4)

Mar 2012 - Jun 2016

- Received Full Tuition Scholarship
- Ranked First Among Students of Class of 2016
- Awarded Full Scholarship to Study at Ferdowsi University for The Economics Graduate Program

Skills

Operating System Linux, Windows

Programming Stata, SAS, R, Python, SQL, LaTeX

Languages Persian, English, French

General Data Analysis, Statistical Analysis, Machine Learning, Data Science, EViews, SPSS, MS Office Packages, Time Management, Problem Solving

Experience

RESEARCH

University of Maryland, Baltimore County, School of Public Policy

Baltimore, MD

RESEARCH ASSISTANT

Aug 2020 - Present

- Managed bibliographic data and related research materials

University of Delaware, Department of Economics (Prof. Link)

Newark, DE

RESEARCH ASSISTANT

Dec 2019 - Aug 2020

- Conducted literature reviews on effects of obesity on wage to find a proper instrument variable for obesity
- Assisted professor Link with redesigning course materials of Introduction to Microeconomics

Sun-Air Research Institute of Ferdowsi University

Mashhad, IR

RESEARCH ASSISTANT

Jun 2016 - Aug 2016

- Collected, transformed, and managed large data-set from different data sources using Excel and SAS
- Presented data (charts, tables, etc) to team for preparing report on profitability analyses of installing wind turbine near Mashhad area

TEACHING

University of Delaware, Department of Economics

Newark, DE

TEACHING ASSISTANT

Aug 2017 - Aug 2019

- Gained International Teaching Assistant (ITA) certificate with highest level
- Coordinated with 4 professors as teaching assistant with assessing student essays, projects, labs, tests
- Taught review sessions on Macroeconomics, and lectured on data interpretation and visualization on computer lab sessions
- Guided students with their questions and class difficulties

- Led discussion sessions, designed problem sets, documented and graded students' exams, and home-works
- Assisted with classroom instruction and provided support and guidance to students
- Received excellent student evaluation scores

Projects and Term Paper

Causal Modeling

Baltimore, MD

USING PYTHON

- Evaluating the impact of Medicaid Expansion adopted by some US states on the rate of cancer screening
- Cleaning the BRFSS data set for the analysis
- Analyzing and estimating the causal effect

Policy Proposals

Baltimore, MD

- Evaluating policy options to address the problem of non-adherence to the Mask Mandate during the time of COVID.

Time-Series Modeling

Newark, DE

USING STATA

- Tested stationarity and seasonality of the U.S. monetary base data, performed dynamic forecast, and evaluated the predictive power with time-series ARIMA model
- Estimated the U.S. macroeconomic outcomes, reported Granger causality, and forecasted error variance decomposition using VAR and augmented VAR model
- Performed residual-based cointegration test and forecasted long-run money balance using VECM model

Panel Data Analysis

Newark, DE

USING STATA

- Estimated fixed effects, and random effect model regression; Compared two models by means of a Hausman test to find impacts of shocks in investment on firm's profit
- Analyzed effects of human capitals on the U.S. labor supply using binomial Probit, binomial Logit, and ordered Logit model with identifying abnormal observations and testing multi-collinearity

Fama-French Four-Factor Model

Newark, DE

USING SAS AND SQL

- Gathered data from various sources, transformed, cleaned and integrated
- Conducted portfolio and regression analysis to evaluate and predict impacts of firm size and quality on excess return

Undergraduate Project

Mashhad, IR

USING STATA, EVIEWS, AND EXCEL

- Executed a regression analysis on fluctuation of airplane tickets' price of Tehran- Mashhad flight around the New Year holiday, data gathered hourly for 10 days 5 days before and after new year
- Researched on factors affecting customer satisfaction of Proma Hypermarket in Mashhad
- Evaluated Mashhad's industries performance over a period of 20 years
- Contributed on a cost-benefit analysis of a start-up company in Mashhad

Extracurricular Activity

Ferdowsi University Student Magazines

Mashhad, IR

MEMBER OF EDITORIAL BOARD

Jun 2015 - Sep 2016

- Collaborated with a team to identify student's problems and needs to strategize magazine's structures and approaches
- Proposed future actions based on insights learned by collaboration with students
- Empowered writers to move forward by reviewing articles, and measuring results

Student Organization of Academic Center for Education, Culture and Research

Mashhad, IR

HEAD OF FERDOWSI UNIVERSITY COLLEGE OF BUSINESS AND ECONOMICS OFFICE

Aug 2013 - Aug 2014

- Organized and led a group to hold professional and social events with over 500 attendees
- Executed quantitative and qualitative research through follow-ups and surveys to understand voice of students, and learning from feedbacks
- Provided updates and report to a leadership team on a continuous basis