

MOSTAFA SALARI

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EDUCATION

WASHINGTON UNIVERSITY, OLIN BUSINESS SCHOOL Saint Louis, MO <i>Ph.D. in Economics, Dissertation Title: Essays on Determinants of Entrepreneurship</i>	Aug 2017 – May 2023
WASHINGTON UNIVERSITY Saint Louis, MO <i>Master of Art in Econometrics and Quantitative Economics</i>	Aug 2017 – May 2019
SHARIF UNIVERSITY OF TECHNOLOGY Tehran, Tehran <i>Bachelor of Science in Electrical Engineering and Minor in Economics</i>	Sep 2010 – Feb 2015

PROFESSIONAL QUALIFICATIONS

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| • Python/MATLAB/STATA/R/SQL | • Statistical Data Analysis | • Reduced-Form and Structural Econometrics |
| • Quantitative Modeling | • Causal Inference | • Machine Learning and Data Science |
| • Detail-oriented | • Collaborative | • Communicator |

WORK EXPERIENCE

BAYER - CORP SCIENCE Saint Louis, MO <i>Data Scientist Co-Op</i>	June 2022 – Dec 2022
<ul style="list-style-type: none">First Project, Summary: Contributed to implementing a 2-stage optimization problem to generate production plans and sales decisions in a stochastic demand environment; Performed the model simulation and provided outputs to compare with existing models; Presented the findings to other team members and business partners. Implementation: Python, and Excel. Development Tools: Spyder, Domino, and AWS.Second Project, Summary: Contributed to implementing the event-based simulation model; Collected and cleaned the simulation's input data set; Performed experimental designs to ensure that the simulation worked as expected. Implementation: Python, and Excel. Development Tools: VSCode, and GitHub.	

RESEARCH EXPERIENCE

WASHINGTON UNIVERSITY Saint Louis, MO <i>Working Papers</i>	Jan 2019 – Present
<ul style="list-style-type: none">Dynamic of Personality Traits and Entrepreneurship Decisions (Job Market Paper), Summary: Provided Reduced-Form evidence about the relationship between Personality traits and Entrepreneurship decisions in the HILDA data set using linear and logistic regression; Estimated a dynamic discrete choice model using EM Algorithm and Maximum likelihood; Performed policy evaluation, and counterfactual simulations. Implementation: MATLAB, STATA, and Excel.Entrepreneurial Dynamics and the Small Firm Effect (with Barton Hamilton and Andres Hincapie), Summary: Estimated a dynamic structural model that captures the role of human capital, Bayesian learning, and preferences to explain the small-firm effect; Performed counterfactual decomposition to assess the role of these mechanisms in our model. Implementation: MATLAB, STATA, and Excel.	
<i>Research Assistant to Prof. Brent Hickman</i>	Aug 2020 – May 2021
<ul style="list-style-type: none">Research Project: Summary: collected and cleaned schools of Illinois data set. Implementation: STATA, and Excel.	
<i>Research Assistant to Prof. George Levi Gayle</i>	Aug 2019 – May 2020
<ul style="list-style-type: none">Research Project: Summary: collected and cleaned PSID and MXFLS data set and provided the summary of statistics. Implementation: STATA, and MATLAB.	

TEACHING ASSISTANT

WASHINGTON UNIVERSITY Saint Louis, MO	Jan 2017 – Dec 2021
<ul style="list-style-type: none">Empirical Techniques for Industry AnalysisSpecial Topics in AccountingMarket Comp. & Value Appropriation	<ul style="list-style-type: none">Business Analysis Using Financial StatementsIntroduction to EconometricsProbability and Stochastic Processes
SHARIF UNIVERSITY OF TECHNOLOGY Tehran, Tehran	Sep 2013 – June 2014
<ul style="list-style-type: none">MacroeconomicsPrinciples of Economics	<ul style="list-style-type: none">Linear Algebra

HONORS AND AWARDS

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- University Fellowship, Washington University in St. Louis.
 - Ranked 1st among students in Power major class of 2010, Sharif University of Technology
 - Ranked among 0.05 % in the National University Entrance Exam among 350,000 participants
 - Awarded scholarship from National Organization for Exceptional Talents
 - The Winner of the Silver Medal in the National Chemistry Olympiad