

Mani Bayani

Curriculum Vitae

PERSONAL DETAILS

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EDUCATION

Ph.D. Economics 2016-present

City University of New York, The Graduate Center

Fields: Econometrics and Machine Learning, High-Dimensional Models, Policy Analysis

Dissertation: "Essays on Machine Learning Methods in Economics"

M.Sc. Applied Mathematics 2020-present

Columbia University in the City of New York

M.Sc. Analytics 2018-present

Georgia Institute of Technology

Computational Data Analytics Track

M.Sc. Computer Science 2018-2021

University of Illinois at Urbana-Champaign

Concentration: Machine Learning

M.A. Economics 2011-2014

University of Tehran, Iran

Thesis title: "The implementation of hidden Markov models for estimating CO2 emissions"

B.Sc. Computer Science 2006-2010

Sheikh Bahaei University, Iran

TEACHING AND RESEARCH EXPERIENCE

Data Science Institute Scholar 2020-2021

Columbia University

Research on broadband funding with Professor Henning Schulzrinne

Data Science Fellow 2020-present

City University of New York, Baruch College

Analysis of Baruch students' academic performance with Professor Sonali Hazarika

Research Assistant 2020-present

City University of New York, The Graduate Center

Research on using artificial intelligence to analyze complex and highly dimensional economic models with Professor Lilia Maliar

Adjunct Instructor 2017-present

Brooklyn College, City University of New York
Math for Economist (Econ 3410)

Adjunct Instructor

2018-present

The Gabelli School of Business, Fordham University
Statistical Decision Making (Econ 2142)
Statistics 1 (Econ 2140)

Teaching Assistant

2017-2018

Columbia University
Statistics and Econometrics, For Professor Homa Zarghamee

Teaching Assistant

2019-present

Georgia Institute of Technology
High-Dimensional Data Analytics , For Professor Kamran Paynabar

WORKING EXPERIENCE

Software Test Developer

2009-2011

Metaco Holding
Isfahan, Iran

SCHOLARSHIPS AND AWARDS

Doctoral Student Research Grant

2020-2021

The Graduate Center of the City University of New York

The Advanced Research Collaborative Fellowship

2018-2019

The Graduate Center of the City University of New York

Graduate Center Fellowship

2016-2020

The Graduate Center of the City University of New York

Graduate Fellowship

2015-2016

Western Michigan University

WORK IN PROGRESS

- **Robust Synthetic Control Model**
<https://arxiv.org/abs/2108.12542>
- **The Contribution of the Minimum Wage to US Wage Inequality: A Penalized Spline Approach**
<https://mbayani.github.io/The-Contribution-of-the-Minimum-Wage-to-US-Wage-Inequality/>
- **Company Specific Disruptive News and Continuity Detector**
<https://github.com/mbayani/Company-Specific-Disruptive-News-and-Continuity-Detector>

SKILLS

<i>Languages</i>	Persian (native) English (fluent)
<i>Software</i>	PYTHON,R, MATLAB, TABLEAU,SQLITE,L ^A T _E X

REFERENCES

Available upon request