





Mahyar Habibi

Economist, Data Scientist

 mahyarhabibi.github.io

 mahyar.habibi@phd.unibocconi.it

 in/mahyar-habibi-519290b6/

 github.com/mahyarhabibi

ABOUT ME

I am an Economics PhD candidate and a data scientist interested in leveraging AI/ML techniques for Causal Inference. My areas of interest include Economics of AI, Technology & Innovation, Industrial Organization, and Social Media.

EDUCATION

2023 - present	Visiting PhD Student Host: Prof. Avi Goldfarb, Rotman Chair in AI and Healthcare	Rotman School of Management, University of Toronto
2020 - present	PhD Student in Economics Advisors: Prof. Carlo Schwarz, Prof. Francesco Decarolis, Prof. Andrea Fosfuri	Bocconi University, Milan
2017 - 2020	MSc. in Economics	Sharif University, Tehran
2013 - 2017	BSc. in Mechanical Engineering	Sharif University, Tehran

RESEARCH

JMP Working Paper	Open Sourcing GPTs I study a profit-maximizing firm's decision regarding open-sourcing its advanced AI software in a dynamic discrete choice framework, analyze the impact of open-sourcing LLMs on research-related activities of LLM researchers, and introduce a new algorithm for measuring technology similarity using patent data.
2024 LREC-COLING	DADIT (With Paul Bose, Lorenzo Lupo, Dirk Hovy, and Carlo Schwarz) Forthcoming at the 2024 Joint International Conference on Computational Linguistics, Language Resources and Evaluation.
Submitted AEA P&P	Beyond the Stats: Realities, Perception, and Social Media Discourse on Poverty (With Paul Bose, Lorenzo Lupo, Dirk Hovy, and Carlo Schwarz)
Working Paper	Distinguishing Biases from Personal Preferences: An 'Honest' Machine Learning Approach (With Zahra Khanalizadeh and Negar Ziyaeian) We propose a novel method based on Collaborative Filtering and Double/Debiased ML to estimate micro-level biases separated from individual preferences.
Working Paper	Measuring the Plurality of Online Discourse (With Dirk Hovy and Carlo Schwarz) We propose a new methodology for quantitatively measuring the plurality of discourse in text embeddings and empirically assess how content moderation affects this plurality on social media.
Working Paper	The Health Consequences of Subsidized Health Insurance: Evidence from Iran (With Frashad Fatemi and Mohammad Vesal)

EXPERIENCE

2023 - 2024	Research Assistant MENTALISM is an interdisciplinary effort between Economics and Computational Linguistics to measure and track real-time perception of inequality using large-scale social media data.	Bocconi
2022 - 2023	Teaching Assistant Teaching Assistant for undergraduate Macroeconomics, Foundation of Economics for Computer Scientists, and graduate Macroeconometrics.	Bocconi
2020 - 2020	Economics Consultant As an Economics Consultant, I was responsible for developing statistical (survival) models for analyzing factors explaining early departures from the fund and communicating the results to the fund's top management.	Iran Social Insurance Fund

AWARDS & HONORS

2020 - present	Bocconi University PhD Fellowship
2013 - 2019	Iran's National Elites Foundation Scholarship
2019	Graduate Academic Distinction Award, Sharif University, School of Management and Economics Awarded to the top 3 students per cohort.
2017	Direct Entry To Graduate Program Award, Sharif University Awarded to the top 10% of students per cohort.
2013	Ranked in the Top 0.1% of Students in the National University Entrance Exam Ranked 136 th among more than 250,000 participants in the Math and Physics exam.

SKILLS

Software **Python; SQL; Stata; Matlab**

Methods **Applied Econometrics; Machine Learning; NLP; Quantitative Economics; Deep Learning.**

Frameworks **Azure ML; PyTorch; Scikit-Learn; Transformers; PySpark; Git.**

CERTIFICATES

2023	Build and Operate Machine Learning Solutions with Azure	Coursera / Microsoft
2022	Applied AI with Deep Learning	Coursera / IBM
2022	Advanced Machine Learning and Signal Processing	Coursera / IBM