Farzad Pourbabaee

Webpage: https://farzad-pourbabaee.github.io

E-mail: farzad.pourbabaee@gmail.com;
far@caltech.edu or farzad@berkeley.edu

EMPLOYMENT:

Postdoctoral Fellow (in Economic Theory) at Caltech

EDUCATION:	**DEGREE**	**DATE**	**FIELD**
UC Berkeley	Ph.D.	2021	Economics
UC Berkeley	M.A.	2019	Statistics
McMaster University	M.A.	2015	Mathematics
Sharif University of Technology	B.Sc.	2013	Electrical Engineering (Minor in Mathematics)

PUBLICATIONS:

1. *The Hazards and Benefits of Condescension in Social Learning*, 2024, Accepted at *Theoretical Economics*.
   (with Itai Arieli, Yakov Babichenko, Stephan Müller and Omer Tamuz)
   Accepted at EC '23: Proceedings of the 24th ACM Conference on Economics and Computation, 2023
2. *High Dimensional Decision Making, Upper and Lower Bounds*, 2021, *Economics Letters*.
3. *Robust Experimentation in the Continuous Time Bandit Problem*, 2020, *Economic Theory*.
4. *Risk Minimization and Portfolio Diversification* (with M. Kwak and T. A. Pirvu), 2016, *Quantitative Finance*.
5. *Lattice coding for multiple access channels with common message and additive interference*
   (with M. J. Emadi, A. G. Davoodi, and M. R. Aref), 2012, *Information Theory Workshop (ITW)*.

WORKING PAPERS:

1. *Individual and Collective Welfare in Risk Sharing with Many States* (with Federico Echenique)
2. *Binary Mechanisms under Privacy-Preserving Noise* (with Federico Echenique)
   Accepted at WINE '23: The 19th Conference on Web and Internet Economics, 2023
   Revise and Resubmit, *Journal of Economic Theory*.
3. *The Impact of Connectivity on the Production and Diffusion of Knowledge* (with Gustavo Manso)
   Presented at: 6th Annual Conference on Network Science and Economics; Midwest Economic Theory 2022
   Informs ADA 2022; North American Summer Meeting of the Econometric Society 2022.
4. *Reputation, Learning and Externalities in Frictional Economies*
   Revise and Resubmit, *Economic Theory*.
5. *Delegated Learning and Non-Credible Communication* (with P. B. McCrory)
6. *Tail Probability Estimation of Factor Models with Regularly-Varyin Tails: Asymptotics and Efficient Estimation* (with O. S. Solari)

TEACHING:

Instructor, Caltech HSS:

Foundations of Economics (SS 205C) – first year Ph.D. course (Spring 2022, 23' and 24')
Theory of Value (EC 121a) – Intermediate Microeconomics (Fall 2021, 22' and 23')

Graduate Student Instructor, UC Berkeley, first year Ph.D. courses:

Mathematical Tools for Economists (Econ 204, GSI for Professor Chris Shannon, Fall 2017, 18', 19' and 20')
Game Theory (Econ 201B, GSI for Professor Shachar Kariv, Spring 2019)
Econometrics (Econ 240B, GSI for Professor Demian Pouzo and Professor Jim Powell, Spring 2017 and 18')

Graduate Student Instructor, UC Berkeley, undergraduate courses:

Economics Department: Financial Economics (Econ 136)
Haas School of Business: Investment (UGBA 133); Financial Markets (UGBA 132); Principles of Microeconomics (UGBA 101A)

FELLOWSHIPS AND AWARDS:

2020-21	Dissertation Completion Fellowship, UC Berkeley
2015-16	First- and Second-year PhD Fellowship, UC Berkeley, Center for Risk Management Research
2015	Ranked 1st (GPA) among the 2015 M.A. and Ph.D. Graduates of Mathematics Department, McMaster University
2013-15	Two-year Graduate Fellowship, Mathematics Department, McMaster University
2007-13	Fellowship of the Iranian National Elite Foundation
2007	Silver Medal in the 20th Iranian National Physics Olympiad

Programming Skills:

Python, HTML and CSS, Mathematica – MATLAB, R and C++ (some years ago)
Python packages: numpy, scipy and scikit-learn, pandas; basic knowledge of PyTorch

Personal Information:

US Permanent Resident

REFERENCES:

Robert M. Anderson
UC Berkeley, Department of Economics
robert.anderson@berkeley.edu

Federico Echenique
UC Berkeley, Department of Economics
fede@econ.berkeley.edu

Gustavo Manso
UC Berkeley, Haas School of Business
manso@haas.berkeley.edu

Chris Shannon
UC Berkeley, Department of Economics & Mathematics
cshannon@econ.berkeley.edu

Omer Tamuz
Caltech HSS and PMA
omertamuz@gmail.com

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