Curriculum Vitae
Mahdi Ebrahimi Kahou

PERSONAL INFORMATION

Citizenship: Canadian
Contact Info: m.ebrahimikahou@bowdoin.edu, personal website.
Google Scholar, GitHub

RESEARCH INTERESTS

Macroeconomics, Machine Learning, Computational Economics, and Econometrics.

EMPLOYMENT

- Assistant Professor of Economics, Bowdoin College, Maine. 2023-

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EDUCATION

- Doctor of Philosophy in Economics, University British Columbia. 2017-2023
  Thesis: Essays on theory and computation in economics

  - Visiting scholar at Federal Reserve Bank of Minneapolis. October 2022

- Doctor of Philosophy in Economics, University of Minnesota.
  Voluntary withdrawal

- Master of Science in Physics,
  Institute for Quantum Science and Technology, University of Calgary.

  Thesis: Spatial search via non-linear quantum walk

- Bachelor of Science in Physics, Sharif University of Technology.

WORKING PAPERS

- "Spooky Boundaries at a Distance: Inductive Bias, Dynamic Models, and Behavioral Macro",
  Accept subject to major revisions, **Journal of Monetary Economics**.
  VoxEU Column, Code(GitHub).
  With Jesús Fernández-Villaverde, Sebastian Gomez Cardona, Jesse Perla, and Jan Rosa.

- "Exploiting Symmetry in High-Dimensional Dynamic Programming", NBER Working Paper, 2021.
  Code(GitHub).
  With Jesús Fernández-Villaverde, Jesse Perla, and Arnav Sood.

- "Solving Models of Economic Dynamics with Ridgeless Kernel Regressions" Code(GitHub).
  With Jesse Perla and Geoff Pleiss

- "Optimal Entry Decision with Correlated Variable Cost and Output Price".

- "Modeling the "S curve": Transition Dynamics in EV Adoption", conditionally accepted, **Environmental Research Communications**.
  With Omid Khajehdehi, Alan Hastings, and Sara Hastings-Simon.

PUBLICATIONS

- "Quantum Search with Interacting Bose-Einstein Condensates", Physical Review A, 2013. (With David L. Feder)
- "Macroprudential Policy: A Review", Journal of Financial Stability, 2017. (With Alfred Lehar)

PRESENTATIONS AND INVITED TALKS

- **2026**: ASSA (scheduled)
- **2025**: Federal Reserve Bank of Cleveland, CUNY Graduate Center, Indiana University Bloomington, University of Colorado Boulder, Maine Economics Conference.
- **2024**: ACM (Economics and Computation, Yale), Southern Economic Association (Washington, DC), Conference on Frontiers in Machine Learning and Economics: Methods and Applications (Chicago Booth/Federal Reserve Bank of Philadelphia), NOEW (Federal Reserve Bank of Cleveland), Toronto Metropolitan University.
- **2023**: TeIAS, Econometric Society Summer School in Dynamic Structural Econometrics, University of Toronto, University of Calgary (Haskayne School of Business), Bowdoin College, Bates College, University of Waterloo, Western University, McGill, Bank of Canada, University of Missouri.
- **2022**: Society For Economic Dynamics (Madison), University of Minnesota, University of Colorado Boulder.
- **2012**: Canadian Association of Physicists (Calgary).

SCHOLARSHIPS, AWARDS AND HONOURS

- Selected for 71st Lindau Nobel Laureate Meeting on Economic Sciences.
- Social Sciences and Humanities Research Council (SSHRC) Doctoral Fellowship.
- Four Year Doctoral Fellowship (UBC).
- Faculty of Graduate Studies Award (University of Calgary).
- Institute for Quantum Science and Technology "Top-Up Students Award" (University of Calgary).
- Bronze medal in National Physics Olympiad.

Teaching Experience

Bowdoin College:
- Mathematical Economics×2.   2024-2025
- Principles of Macroeconomics×3.   2023-2025
- Intermediate Macroeconomics×4.   2023-25

Computer Programming

- MATLAB, Mathematica, Julia, Python.

References

- Dr. Jesús Fernández-Villaverde
  Professor of Economics   Phone: +1 215 573-1504
  University of Pennsylvania   E-mail: jesusfv@econ.upenn.edu
  The Ronald O. Perelman Center for Political Science and Economics
  133 South 36th Street, Philadelphia, PA 19104.

- Dr. Jesse Perla
  Associate Professor of Economics   Phone: +1 604 822-5721
  University of British Columbia   E-mail: jesse.perla@ubc.ca.
  6000 Iona Drive, Vancouver, BC Canada V6T 1L4.

- Dr. Vadim Marmer
  Professor of Economics   Phone: +1 604 822-8217
  University of British Columbia   E-mail: Vadim.Marmer@ubc.ca
  6000 Iona Drive, Vancouver, BC Canada V6T 1L4 .