Marina Lovchikova

Website: mlovchikova.github.io
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EDUCATION

University of California, Davis — Davis, CA
Ph.D. in Economics — 2021

Texas A&M University — College Station, TX
M.S. in Economics with emph. on Financial Economics and Econometrics — 2015

Gorno-Altaysk State University — Gorno-Altaysk, Russia
B.S. in Management — 2008

RESEARCH EXPERIENCE

Doctoral Research — Davis, CA
Department of Economics, UC Davis — 09/2015–06/2021

- Initiated and executed research projects on innovations, labor markets and technological change
- Used statistical software to clean datasets, visualize key data features and conduct causal inference (instrumental variables, logistic regressions, propensity score matching, panel and time-series methods, etc.)
- Assessed sensitivity of income, welfare and other outcomes using model calibration and simulation
- Presented research findings for various audiences, internal and external conferences

Research Consultant / Lead Data Analyst — Washington, D.C.
Department of Infrastructure and PPPs, The World Bank — 06/2017–09/2017

- A research project with Fernanda Ruiz Nunez, Senior Economist, Infrastructure and PPPs
- Analysis of policies and incentives that could bring investments in post-conflict countries using survival analysis techniques, propensity score matching, panel data econometrics methods

Senior Risk Data Analyst — Moscow, Russia
RTC-Leasing OJSC — 12/2012–08/2013

- Evaluated financial viability of projects in various industries using data on global and domestic industry trends, policy changes, data from financial statements

Business Data Analyst — Moscow, Russia
Toyota — 03/2010–11/2012

- Prepared and assessed investment projects, evaluated project revenue and profitability sensitivity to changes in various policies, global and domestic market

SKILLS

- **Software skills:** R (5+ years), Stata (5+ years), MATLAB (4+ years), Python
- **Statistics and Inference:** Causal Inference, Time-Series Analysis, Forecasting, Experimental Design, PCA, KNN, regularization

LANGUAGES

- **English:** fluent; **Russian:** native; **Spanish:** beginner, **French:** beginner

Projects/ Working Papers

- Employed and Poor? Wages, Technological Innovations and Policy (JMP)
  - Theoretical general equilibrium model of wage effect of automation with two skill levels, wage bargaining, and labor market policies. Model calibration and simulation in MATLAB
- Capital Controls and The Global Financial Cycle (*with Johannes Matschke*)
  - Empirical analysis of capital flow restrictions and their determinants. Country-level data for emerging economies, estimation in Stata

Work in Progress

- Innovation Policies and Labor Markets
  - Theoretical model of innovation support policies and their impact on employment. Contrast general vs. targeted support of innovation
- Innovation, Competition and Declining Prices of Investment Goods
  - Empirical analysis of innovation strategies by European firms in response to competition and declining investment prices. Individual- and firm-level data for several EU countries, regression estimation in Stata
- New Approach to Technology Adoption through ICT Services (Third Year Paper)
  - Analysis of technology adoption in routine-intensive industries. Individual and country-level data for European countries, estimation in Stata

Teaching Experience

Instructor Hayward, CA

College of Business and Economics, California State University, East Bay 01/2020 –05/2020

- Economic Research Methods: A Master's level class focusing on theoretical and empirical research in the intersection of Labor, Technology and Innovation
- Topics included: Economic Growth and Technological Change; Innovation Support Policies ; Automation, Robots and Labor Markets; Algorithmic Bias

Instructor Davis, CA

Department of Agricultural Economics, University of California, Davis 07/2019–09/2020

- Principles of Finance: an undergraduate level class for Managerial Economics track
- Topics included: Investment Analysis (Payback Period, Internal Rate of Return, Net Present Value, etc.), Stock and Bond Evaluations (Dividend and Cash-Flow methods), Portfolio Analysis

Graduate Teaching Assistant Davis, CA

Department of Economics, University of California, Davis 09/2015–06/2020

- Taught core economic classes in economics, game theory, and data analysis for undergraduate students
- Topics included: Competition, Pricing Decisions, Strategy; Monetary and Fiscal Policy Impact; Data Visualization and Statistical analysis