

EXPERIENCE

Data Scientist

Sacramento, CA

Policy Evaluation and Research, Covered California

06/2021–Present

- Initiated and executed analytic projects focused on the Covered California applicants and consumers
- Presented research findings for internal / external audiences, executive leadership

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.)

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

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

SKILLS

- **Software skills:** R (5+ years), Stata (5+ years), MATLAB (4+ years), Python, SQL, Tableau
- **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
 - 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

College of Business and Economics, California State University, East Bay

Hayward, CA

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

Department of Agricultural Economics, University of California, Davis

Davis, CA

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

Department of Economics, University of California, Davis

Davis, CA

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