

EXPERIENCE

Data Scientist

Sacramento, CA

Policy Evaluation and Research, Covered California

06/2021–Present

- Collaborate with data engineers outside vendors to build and improve on the availability, integrity, accuracy, and reliability of data necessary for reporting
- Partner with other teams to develop a deep understanding of Covered California operational data needs
- Design, implement, and oversee datasets, and dashboards critical for analytics
- 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 long-term research projects
- Managed data acquisition for projects, used statistical software to visualize key data features and conduct causal inference (instrumental variables, logistic regressions, propensity score matching, panel and time-series methods, etc.)
- Evaluated policy impacts on various 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

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:** Stata, R, MATLAB, Python, SQL, Tableau
- **Statistics and Inference:** Causal Inference, Experimental Design, Economic modeling

LANGUAGES

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

PROJECTS/ WORKING PAPERS

- Employed and Poor? Wages, Automation and Policy, 2021
 - Economic modeling of education choices. Model calibration and simulation in MATLAB
- Capital Controls and The Global Financial Cycle, 2021 (*with Johannes Matschke*)
 - Economic modeling of capital controls regulations. Empirical estimation and visualization in Stata. Model calibration and simulation in MATLAB
- Automation, Career Trajectory and Education (*with Muazzam Toshmatova*), 2022
 - Empirical estimation and visualization in Stata & R
- Innovation, Competition and Automation Exposure, 2021
 - Economic modeling of innovation choices. Empirical estimation and visualization in Stata & R

TEACHING EXPERIENCE

Instructor

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

Hayward, CA

01/2020 –05/2020

- Designed and directed a graduate level course on Economic Research Practices
- Develop assessments for student's understanding and critical thinking, provided feedback to students

Instructor

Department of Agricultural Economics, University of California, Davis

Davis, CA

07/2019–09/2020

- Develop and instructed a core class in Business Economics major in the Department of Agricultural Economics “Principles of Finance”: Investment Analysis (Payback Period, Internal Rate of Return, Net Present Value, etc.), Stock and Bond Evaluations (Dividend and Cash-Flow methods), Portfolio Analysis
- Coordinated teaching assistants, evaluated assignments and provided feedback

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