

Maria Milosh

Data Scientist & Civic Technologist

mariyamilosh@gmail.com

EDUCATION

University of Chicago 2020 - 2022

MSc in Computational Analysis & Public Policy

- Selected courses: advanced statistics, causal inference, machine learning, discrete math, algorithms, databases, development economics, experimental economics, microeconomics
- Tutor for programming in Python, Databases, Political Economy courses

Higher School of Economics 2015 - 2019

BA in Political Science

- Selected courses: programming in R, policy analysis, network analysis
- TA for Nonreactive and Big Data for Social Sciences, Social Media Data for Research in Communications

SKILLS

Python · R · SQL · AWS · GitHub
QGIS

Participatory design and research ·
Policy analysis · Democratic theory
Leadership and team management

English, Russian (fluent)
French, Ukrainian (intermediate)
German (learning)

RESEARCH & WRITING

Research Brief: Impacts of Citizen Assemblies. People Powered. Forthcoming in Fall 2025.

I'm a computer scientist and civic technologist focused on democratic innovation, civic institutions, and participatory governance.

EXPERIENCE

Researcher

People Powered

Since April 2025

- Researching impact of sortition-based citizen assemblies on participants, communities, and broader institutions
- Collecting evidence on behavioral impacts of various definitions and narratives of democracy for the [Democracy Narratives Campaign](#) project

Data Scientist

NYC Office of Labor Policy & Standards

June 2022–Feb 2025

- Lead research and analysis to inform labor policy, focusing on gig economy protections and vulnerable workers
- Implemented data pipelines tailored to new city laws and rules, using Python, R, and SQLite

Coding it Forward Fellow in Data Science

NYC Department of City Planning

June–Sept 2021

- Fellowship that empowers early-career technologists to innovate in government offices across the US
- Supported City's efforts to address the housing crisis and inform urban planning by collating and analyzing housing production data for the last 40 years in NYC Metro region

Data Scientist

World Bank

March 2021–Sept 2021

- Built natural language processing pipelines to develop internal dashboard for survey sharing and streamline data access for economic development research
- Implemented reproducible workflows using Python and GitHub, enhancing collaboration and transparency

Research Professional

Becker Friedman Institute for Economics

June 2019–Sept 2020

- Conducted econometric analysis on conflict, governance, and civic engagement using international microdata, social media data

“[Citizen Assemblies Will Save Democracy](#)”. DOXA Media. June 2025.

M. Milosh, M. Painter, K. Sonin, D. Van Dijke, A. Wright “[Unmasking partisanship: Polarization undermines public response to collective risk](#)”. Journal of Public Economics, 2021.

Also in [VoxEU](#) and [Washington Post](#).

A. Kalgin, A. Yakovlev, M. Milosh, V. Matveev. “[Performance Based Management and Meritocracy in Russian Public Service: Experimental Evidence](#).” 2020.

- Co-authored study on polarization and risk perception in the Journal of Public Economics
- Managed data collection and analysis for international development projects

Research Assistant

International Center for the Study of Institutions & Development, HSE
May 2018 – May 2019

- Co-designed and executed a survey experiment targeting public sector workers in Russia to study institutional trust and bureaucratic behavior.

Research Assistant

New York University
May 2017 – May 2018

- Supported analysis of disinformation on Twitter (X), created guidelines for reproducibility