

Dmitry Solovyev

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Education

Master of Science in Statistics	2022-2024
Master of Public Policy	2021-2023
Oregon State University	Corvallis, OR
Bachelor of Political Science	2012-2016
Lomonosov Moscow State University	Moscow, Russia

Skills

Software:	R Python SQL SAS ArcGIS Tableau STATA SPSS
Python Stack:	Sklearn pandas numpy plotly seaborn scipy igraph
Cloud:	BigQuery pyspark
Machine Learning and Statistical Methods:	General Linear Models Time Series Cluster Analysis Network Analysis Hypothesis Testing Bayesian Statistics Experimental Design

Recent Experience

Graduate Teaching Assistant | Statistical Consultant – Oregon State University 09/22 – Present time

- Utilizing R to analyze data sets and demonstrating practical applications of statistical methods to more than 1000 students
- Collaborated with clients to define project objectives, scope, and deliverables, ensuring a clear understanding of the problem and the desired outcomes

Research Analyst – Central Oregon FUSE 12/21 – 04/22

- Extracted quantitative data on existing permanent supportive housing projects in Oregon and Washington using SQL and R
- Developed power analysis to determine the sample size of the exploratory research
- Created a comparative report to promote a supportive housing project to stakeholders (local authorities and investors) in Central Oregon.
- Provided support on applying statistical methods to the qualitative research team

Data & Policy Analyst – Center for Advanced Governance 05/19 – 12/21

- Performed an observational study with several federal ministries and developed guidelines for their internal operation procedures which have since been adopted
- Utilized network analysis to design and coordinate a study on the reforms of the national diplomatic service
- Developed guidelines for the internal operating procedures of federal agencies based on the performance metrics
- Created and maintained first-of-its-kind databases to analyze policy metrics in social-economic, foreign and healthcare domains
- Provided data-driven analytics on various policy issues on a regular basis

Policy Analyst – Center for Strategic Research 09/18 – 04/19

- Performed comparative analysis of international trade and economic policies, created predictive models, and communicated results to the stakeholders
- Created predictive models for regional trade and economic policy
- Performed comparative analysis of national supreme audit courts institutional characteristics in Western countries
- Wrote SQL queries to prepare data for a comparative analysis

Projects

COVID-19 data quality analysis and their effect on policymaking in Russia

- Created a supervised machine learning model to classify unreliable COVID-19 data on mortality and spreading rates
- Evaluated model performance with time-series cross-validation and visualized training and validation results
- Implemented a synthetic control method to evaluate the effectiveness of a policy intervention in addressing the pandemic

Personnel Policy in Public Service: Problems and Reform Capacity

- Conducted and decoded 80 interviews with public servants across 6 federal ministries and agencies
- Developed a theoretical framework for the comparative analysis of inefficiencies of public service