

Dmitry Solovyev

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Recent Experience

Statistical Consultant – Oregon State University 09/22 – Present time

- Developed and applied statistical analysis strategies across a variety of academic research projects, leading to significant improvements in study methodologies and contributions to scholarly publications
- Partnered with academic peers to clarify research goals, define project scopes, and determine key deliverables, ensuring alignment on expectations and communication throughout the project lifecycle

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

- Analyzed data sets using R and Python and demonstrated practical applications of statistical methods to over 1,000 students, enhancing their ability to apply theoretical knowledge in real-world scenarios
- Enhanced student engagement and understanding of statistical theories by incorporating interactive data visualization tools and real-world data sets into lesson plans

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

- Provided data-driven analytics on various policy issues on a regular basis
- Created and maintained first-of-its-kind databases to analyze policy metrics in social-economic, foreign and healthcare domains
- Utilized network analysis to design and coordinate a study on the reforms of the national diplomatic service
- Conducted 80 interviews with public servants across 6 federal ministries and developed guidelines for their internal operation procedures which have since been adopted
- Developed guidelines for the internal operating procedures of federal agencies based on the performance metrics

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
- Wrote SQL queries to prepare data for a comparative analysis

Education

Master of Science in Statistics | Oregon State University | Corvallis, OR 2022-2024

Master of Public Policy | Oregon State University | Corvallis, OR 2021-2023

Master of International Relations | Moscow State Institute of International Relations | Moscow, Russia 2016-2018

Bachelor of Political Science | Lomonosov Moscow State University | Moscow, Russia 2012-2016

Skills

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

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