

Dmitry Solovyev

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Professional 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 using SQL and R
- Conducted power analysis to determine sample sizes for a comparative housing project across different counties
- Created a comparative report to promote a supportive housing project to local authorities and investors
- Provided support on applying statistical methods to the qualitative research team

Data & Policy Analyst – Center for Advanced Governance

05/19 – 12/21

- Created and maintained databases to analyze policy metrics in socioeconomic, foreign and healthcare domains
- Built and maintained data dashboards on various policy issues using R and Shiny
- 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

Policy Analyst – Center for Strategic Research

09/18 – 04/19

- Performed comparative analysis of international trade and economic policies using linear regression models and communicated results to the stakeholders
- Created random forest models for prediction of regional trade and economic policy changes
- 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 (tidyverse, lme4) Python (numpy, pandas, sklearn, plotly) SQL SAS ArcGIS Tableau STATA zsh vim BigQuery pyspark Google Cloud AWS
Statistical Methods	Generalized Linear Models Power Calculations Experiment Design Hypothesis Testing Time Series Cluster Analysis Network Analysis Bayesian Statistics

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