

# Artem Volgin

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## SKILLS

**Programming languages:** Python, R

**Database management:** SQL, MongoDB, AWS

**Languages:** English (fluent), Russian (native)

## WORK EXPERIENCE

### The University of Oxford

Oxford

Research Assistant

2022

- Scrapping and matching genealogical profiles of the British elite from different online sources.
- Extracting educational and career trajectories from text data using pre-trained NLP models.

### The University of Manchester

Manchester

Teaching Assistant

2022-2023

- Introduction to Statistics for Economists
- Advanced Social Network Analysis
- Statistical Models for Social Networks

### The World Bank

Moscow

Data Scientist

2019-2021

- Development of novel methodologies to compute returns to degrees and skills: working with Big Data extracted from CVs and vacancies on the job posting site.
- Implementation of a project for the development of extracurricular education in Russia, leveraging spatial statistics and social network analysis based on data linkage from different sources.
- Estimating returns to education in Russia using causal inference techniques.

### Russian Public Opinion Research Center

Moscow

Data Analyst

2016-2019

- Working on projects for marketing companies and nonprofit organizations.
- Analysis of survey data with advanced statistical methods.
- Teaching and mentoring interns.

## EDUCATION

### The University of Manchester

Manchester

PhD, Social Statistics

2021-Present

### Higher School of Economics

Moscow

MS, Applied Statistics

2018-2020

### Russian State University for the Humanities

Moscow

BA, Social Sciences

2011-2015

## DATA SCIENCE COMPETITIONS

- Unsupervised Wisdom: Explore Medical Narratives on Older Adult Falls. 1st place - 25,000\$. (2023)
- Big Data Derby 2022, NYTHA, NYRA. 4th place - 10,000\$. (2022)
- 2021 Kaggle ML & DS Survey, Kaggle. 4th place - 5,000\$. (2021)
- COVID-19 Symptom Data Challenge, Facebook, CMU, UMD. 2nd place - 30,000\$. (2020)
- CDP - Unlocking Climate Solutions, CDP. 2nd place - 25,000\$. (2020)
- DS4G: Environmental Insights Explorer, Google. 1st place - 10,000\$. (2020)
- 2019 Kaggle ML & DS Survey, Kaggle. 2nd place - 8,000\$. (2019)

## PUBLICATIONS

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- Anastasiadou A., **Volgin, A.**, Leasure, D. War and Migration: Quantifying the Russian exodus through Yandex search trends (2023)
- **Volgin, A.**, Gimpleson V. Demand for skills: Analysis Based on the Online-Data about Vacancies. (2021)
- Patrinos, H., Parandekar, S., Melianova, E., & **Volgin, A.** Returns to Education in the Russian Federation: Some New Estimates. (2020)
- Melianova, E., Parandekar, S., & **Volgin, A.** Returns to Education in the Russian Federation: Towards Evidence Based Decision Making with Fiscal and Private Returns to Education. (2020)
- Melianova, E., Parandekar, S., & **Volgin, A.** Returns to Education in the Russian Federation: Variation across regions and implications for policy development in priority regions. (2020)

## PRESENTATIONS

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- War and Migration: Modeling the Russian Exodus with Digital Trace Data.  
9th International Conference on Computational Social Science (IC2S2) (2023)
- War and Migration - Quantifying the Russian Exodus with Digital Trace Data.  
Workshop New Data and Methods for Migration Studies at the Paris School of Economics (2022)
- How to Win Data Analytics Competitions. MASNA and MDNA Webinar (2021)
- Skills demanded by the Labor Market and supplied by Russian universities: An investigations.  
XXII April International Academic Conference on Economic and Social Development (2021)
- Policy Interventions and Voluntary Actions for Battling COVID-19.  
The COVID-19 Symptom Data Challenge Showcase Event (2021)
- The possibilities of open data for the development of extracurricular education.  
Moscow International Education Fair (2020)
- Returns to Education in the Russian Federation: Variation across Regions.  
XXI April International Academic Conference on Economic and Social Development, HSE (2020)

## SUMMER SCHOOLS & TRAINING

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- Oxford Large Language Models Workshop, Oxford. (2023)
- Oxford Summer School in Economic Networks, Oxford. (2023)
- Causal Inference Course for Health and Social Scientists, Leeds. (2023)
- Essex Summer School in Social Science Data Analysis. Advanced Social Network Analysis. (2022)
- Summer Institutes of Computational Social Science, Oxford. (2022)
- Essex Summer School in Social Science Data Analysis. Spatial Econometrics. (2020)