# Artem Volgin

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## EDUCATION

**The University of Manchester**                                                                          **Manchester**
*PhD, Social Statistics*                                                *September 2021 to September 2024 (expected)*

**Higher School of Economics**                                                                                 **Moscow**
*MS, Applied Statistics with Network Analysis*                                    *September 2018 to June 2020*

**Russian State University for the Humanities**                                                      **Moscow**
*BA, Sociology*                                                                                 *September 2011 to June 2015*

## WORK EXPERIENCE

**The University of Oxford**                                                                                    **Oxford**
*Research Assistant*                                                               *March 2022 to September 2022*
- Scrapping and matching genealogical profiles of the British elite from different online sources.
- Extracting information about educational and career trajectories using pre-trained NER models.
- Analysing genealogical trees of the British elite.

**The University of Manchester**                                                                          **Manchester**
*Teaching Assistant*                                                                        *February 2022 to Present*
- Introduction to Statistics for Economists
- Advanced Social Network Analysis
- Statistical Models for Social Networks

**The World Bank**                                                                                              **Moscow**
*Consultant*                                                                                  *March 2019 to June 2021*
- Development of novel methodologies to compute private returns to education 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.
- Parsing of a unique dataset with information about the salary of graduates in Russia and its analysis, using econometric techniques.
- Construction of a large database in MongoDB with financial indicators for all state organizations in Russia.

**International Laboratory for Applied Network Research, HSE**                                      **Moscow**
*Research Assistant*                                                                            *May 2020 to June 2021*
- Preparing a publication: "Demand for Skills: The Analysis Based on the Job Postings Data".

**Russian Public Opinion Research Center**                                                              **Moscow**
*Senior Analyst*                                                                          *January 2015 to March 2019*
- Working on projects for marketing companies and nonprofit organizations.
- Analysis of survey data with advanced statistical tools.
- Implementation of new methods (natural language processing, social network analysis) into the company's practices.
- Teaching and mentoring interns.

## WORKING PAPERS

- Anastasiadou A., **Volgin, A.**, Leasure, D. War and Migration - Quantifying the Russian Exodus with Digital Trace Data *(Work in progress)*
- **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

- 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)*

## DATA SCIENCE COMPETITIONS

- Big Data Derby 2022, Kaggle. **4th place** - 10,000$. *(2022)*
- 2021 Kaggle ML & DS Survey, Kaggle. **4th place** - 5,000$. *(2021)*
- COVID-19 Symptom Data Challenge, hosted in partnership with Facebook, Carnegie Mellon University, and the University of Maryland. **2nd place** - 30,000$. *(2020)*
- CDP - Unlocking Climate Solutions, Kaggle. **2nd place** - 25,000$. *(2020)*
- DS4G: Environmental Insights Explorer, Kaggle. **1st place** - 10,000$. *(2020)*
- 2019 Kaggle ML & DS Survey, Kaggle. **2nd place** - 8,000$. *(2019)*

## SUMMER SCHOOLS

- 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)*
- Russian Academy of Sciences School for young scientists. Network analysis and modeling. *(2019)*

## SKILLS

**Programming languages:** Python, R
**Database management:** SQL, MongoDB
**Statistical software:** STATA, SPSS
**Other software:** LaTeX
**Languages:** English *(advanced)*, Russian *(native)*