

## CURRICULUM VITAE

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### SOKOL ANNA

PhD Student, Faculty of Computer Science

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#### EDUCATION:

- 2022-2027  
Ph.D.: Computer Science, University of Notre Dame  
Research area: meta-learning, imbalance datasets, sustainable development
- 2020-2023  
Ph.D.: Sociology, Higher School of Economics  
Research area: social movements, environmental suitability, mixed methods, sustainable goals
- 2021-2024  
MA: Applied Mathematics and Informatics, Higher School of Economics  
Research area: sustainable goals, methodology and research methods in the social sciences, machine learning, Bayesian statistics
- 2016-2018  
MA: Sociology, Higher School of Economics  
Research area: human rights, environmental suitability, world values, network analysis, structural equation modeling, quantitative methods
- 2012-2016  
BA: Sociology, Vladimir State University  
Research area: social theory, urban sociology, political studies

#### ACADEMIC APPOINTMENTS

**2021 – 2022:** Program Deputy Academic Supervisor - Master of Data and Network Analytics - International laboratory for Applied Network Research, National Research University Higher School of Economics

**2017 -2020:** Research Assistant - International laboratory for Applied Network Research, National Research University Higher School of Economics

## **ACADEMIC INTERNSHIPS:**

### **2022 (spring)**

University of Illinois Urbana-Champaign Russian, East European, and Eurasian Center – Open Research Laboratory

## **FELLOWSHIPS AND MEMBERSHIPS:**

### **2020-2022**

International Network for Social Network Analysis  
International Political Science Association

## **PUBLICATIONS:**

1. V. Kuskova, D. Zaytsev, G. Khvatsky, and A. Sokol, “Neural Network Modeling and What-If Scenarios: Applications for Market Development Forecasting,” in *Applications in Reliability and Statistical Computing*, H. Pham, Ed. Cham: Springer International Publishing, 2023, pp. 271–288. doi: 10.1007/978-3-031-21232-1\_14.
2. D. G. Zaytsev, V. V. Kuskova, G. S. Khvatsky, and A. A. Sokol, “Searching for coherence in a fragmented field: Temporal and keywords network analysis in political science,” *Net Sci*, pp. 1–30, Feb. 2023, doi: 10.1017/nws.2022.39.
3. V. V. Kuskova, D. G. Zaytsev, G. S. Khvatsky, A. A. Sokol, M. D. Vorobeva, and R. A. Kamalov, “Expanding the boundaries of interdisciplinary field: Contribution of Network Science journal to the development of network science,” *Network Science*, pp. 1–33, 2023.
4. G. S. Khvatsky, D. G. Zaytsev, V. V. Kuskova, and A. A. Sokol, “Computational Tools of Media Analysis for Corporate Policy Effectiveness Evaluation: Models and Their Reliability,” in *Reliability and Maintainability Assessment of Industrial Systems: Assessment of Advanced Engineering Problems*, Springer, 2022, pp. 51–71.
5. K. Valentina, Z. Dmitry, S. Anna, and K. Gregory, “Neural network modeling and what-if scenarios: Applications to various-term sales forecasts,” 2021, pp. 122–126. Accessed: Feb. 20, 2023. [Online]. Available: <https://elibrary.ru/item.asp?id=47041172>
6. D. G. Zaytsev, A. I. Galina, and A. A. Sokol, “Cross-National Comparison of Protest Publics’ Roles as Drivers of Change: From Clusters to Models,” *Protest Publics: Toward a New Concept of Mass Civic Action*, pp. 157–182, 2019.

## **TEACHING EXPERIENCE:**

### **2022**

- Course Instructor - Introduction to Analytical Programming - Minor Applied Network Analytics - National Research University Higher School of Economics
- Course Instructor - Introduction to Data Analytics - Department of Sociology - National Research University Higher School of Economics

## 2021

- Course Instructor - Practical Regression Analysis - Online course on Coursera - National Research University Higher School of Economics
- Course Instructor - Introduction to Applied Analytics - Minor Applied Network Analytics - National Research University Higher School of Economics

## OTHER ACADEMIC EXPERIENCE:

- Program Deputy Academic Supervisor Master's Program "Applied Data and Network Analytics"  
Associate Director, Statistical Consultant, Center for Decision Making Analytical Support (DeMAS-Center)  
Research Assistant, International Laboratory for Applied Network Research
- Assistant - Contemporary Data Analysis: Survey and Best Practices (Open Specialization and for Master's students) Online course on Coursera – English Language - <https://www.coursera.org/specializations/network-analytics-for-business>
- Assistant - Network Analysis (Open Specialization and for Master's students) - Online course on Coursera – English Language – <https://www.coursera.org/specializations/network-analytics-for-business>
- Assistant - Advanced Probability Concepts and Stochastic Processes (Closed Specialization and for Master's students) - Online course on Coursers

## CONFERENCES:

### 2022

- 118th APSA Annual Meeting & Exhibition 2022 (Montreal). Presentation: Drivers of Changes in Energy and Environmental Governance

### 2021

- 5th European Conference on Social Network EUSN 2021 (Naples). Presentation: Assessing the impact of social movements on environmental policy change with social network analysis methodology
- 5th European Conference on Social Network EUSN 2021 (Naples). Presentation: Towards a synthetic theory of policy efficiency: application of network analysis to the science, technology, and innovation policy efficiency studies
- XXII April International Scientific Conference on Economic and Social Development (Moscow). Presentation: The impact of environmental movements on social and policy change
- 26th World Congress of Political Science (Lisbon). Presentation: Testing the Advocacy Coalition Framework by Document Analysis: The Case of Russian Civil Society Policy
- 26th World Congress of Political Science (Lisbon). Presentation: Evaluation of Effectiveness "5-100 Plan" in the Context of the Russian Education Policy Using Policy Tools Theory and Policy Networks

- The European Consortium for Political Research (ECPR) Virtual General Conference 2021. Presentation: Assessing the impact of social movements on environmental policy change with social network analysis methodology

## **2020**

- Networks in the Global World (St. Petersburg). Presentation: The overview of environmental policy: a bibliometric approach
- Sunbelt Conference (Paris). Presentation: A bibliometric analysis of the environmental policy

## **2019**

- XX April International Academic Conference On Economic And Social Development (Moscow). Presentation: Modelling the impact of mass protests on political change by using the structural equation method

## **2018**

- ECPR General Conference Hamburg (Hamburg). Presentation: Modelling the Impact of Mass Protests on Political Change
- XXXVIII Sunbelt Conference of the International Network for Social Network Analysis (Utrecht). Presentation: Human freedoms and environmental quality: Social network analysis
- XXXVIII Sunbelt Conference of the International Network for Social Network Analysis (Utrecht). Presentation: Collective action for political change: Protest movements' impact evaluation
- XIX April International Academic Conference on Economic and Social Development 2018, Russia (Moscow). Presentation: Modelling the impact of mass protests on political change by using the structural equation method

## **CORPORATE EXPERIENCE:**

- **2019-2020:** Business Analyst – Saint-Gobain Russia
- **2018:** Market Analyst – Nestle Russia
- **2017-2018:** Junior Communication Planner - Mediacom
- **2015-2016:** Intern - Federal State Statistics Service
- **2014:** Trainee - Independent Regional Research Agency (NARI)

## **CORPORATE KEY PROJECTS:**

### **2022**

- Multiple projects for Razum corporation. Protected by NDA.

### **2021**

- Cannabidiol in Beauty and Personal Care Market: Opportunities and Challenges (HSE University)
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### **2020**

- Project Management Dashboard of Dry Mortars Sales for Russia and Commonwealth of Independent States (Saint-Gobain)
- Project Management Dashboard for Lerua-Merlen and Saint Gobain Products States (Saint-Gobain)

### **2019**

- Consumer Market Outlook of Coffee Machine in Super and Mini Markets in Russia and Eastern Europe (Nestle)
- Consumer Market Outlook of Coffee Machine in Gas and Petroleum Stations (Nestle)

### **2018**

- Market Overview Research for Advertising of Shaving Category in Cybersport (Mediacom Agency For Procter&Gamble Corporation)
- Market Overview Research for Advertising of Male Personal and Beauty Care Category (Mediacom Agency For Procter&Gamble Corporation)

### **2017**

- Market Overview Research for Washing Liquid For Floors And Walls in Russia (Mediacom Agency For Procter&Gamble Corporation)
- Market Overview Research for Dishwasher capsules in Russia (Mediacom Agency For Procter&Gamble Corporation)

## **PROGRAMMING LANGUAGES AND APPLICATIONS:**

R (Upper-Intermediate), SQL (Upper-Intermediate), Python (intermediate), SAS (intermediate), STATA (intermediate), LISREL (intermediate), LATEX (intermediate), Pajek (intermediate), SPSS (intermediate), Gephi (intermediate), Orange (intermediate), Ora (intermediate).

## **MEMBERSHIP:**

Intern researcher of “International laboratory for Applied Network Research” (since 2017)

Member of study scientific group “Civic Participation and Political Change Research and Study Group” (2017-2018)

## **EXTRACURRICULAR DUTIES**

- Internship in Federal State Statistics Service in 2015-2016
- Volunteering – Online translator and SMM for World Wildlife Fund in 2015-2016
- Volunteering – Organization student’s performances (administration) in 2015, 2016
- Volunteering - The World Association for Public Opinion Research (WAPOR) in 2016
- Volunteering - Festival of the HSE 'school yard' in 2016
- Volunteering – Open data day in 2018, 2019

## **LANGUAGES**

- Russian (Native)
- English(Advanced)