

Elizaveta (Liza) Sivak

Data Analyst | Data Scientist | Social Scientist

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[\[LinkedIn\]](#)

[\[Google scholar profile\]](#)

Research experience

Independent researcher, since April 2022

Head of the Center for Modern Childhood Research, at the Institute of Education, Higher School of Economics, June 2018 – March 2022

Research fellow, Center for Modern Childhood Research at the Institute of Education, Higher School of Economics, January 2014 – May 2018

Research fellow, Laboratory for institutional analysis of economic reforms, Higher School of Economics, August 2009 – December 2014

Research assistant, Laboratory for institutional analysis of economic reforms, Higher School of Economics, April 2006 – July 2009

Education & training

National Research University Higher School of Economics

MA in Sociology (with distinction), 2009

University of Manchester & Moscow School for Social and Economic Sciences

MA in Sociology (with distinction), 2008

National Research University Higher School of Economics

BA in Sociology (with distinction), 2007

Training:

Summer Institute in Computational Social Science (SICSS), Princeton University, 2019

2016 - 2018 Training program in data science, Institute of Bioinformatics (Saint-Petersburg) and Saint Petersburg Academic University of the Russian Academy of Sciences

Research Skills

Quantitative research: research design, questionnaire development and testing, statistical data analysis

Qualitative research: conducting interviews, focus-groups, participant observation, analysis of qualitative data

Computational social science. Statistical analysis of digital traces of human behavior

Project proposal design and writing

Technical Skills

Python for information retrieval (web-scraping, API), data cleaning & wrangling, statistical data analysis, machine learning, and visualization

R for information retrieval (web-scraping, API), data cleaning & wrangling, statistical data analysis and visualization

SQL for data wrangling & cleaning

Jupyter Notebook for data storytelling

Selected publications

- Dokuka S., Sivak E., Smirnov I. (2022). Core but not peripheral online social ties is a protective factor against depression: evidence from a nationally representative sample of young adults. In *International Conference on Network Science*. Springer, Cham. P. 41-53.
- Sivak E., Smirnov I. (2020). Measuring Adolescents' Well-Being: Correspondence of Naïve Digital Traces to Survey Data. In *Social Informatics. Proceedings of the 12th International Conference, SocInfo 2020, Pisa, Italy, October 6–9, 2020*. Springer. Ch. 26. P. 352-363.
- Sivak E., Smirnov I. (2019). Parents mention sons more often than daughters on social media. *Proceedings of the National Academy of Sciences of the United States of America*, Vol. 116, No. 6, P. 2039-2041.
- Sivak E. (2018). Managing grandparental involvement in child-rearing in the context of intensive parenting. *Sociological Research Online*, Vol. 23, No. 4, P. 830-846.
- Sivak E., Yudkevich M. (2017) The academic profession in Russia's two capitals: The impact of 20 years of transition. *European Educational Research Journal*, Vol 16, Issue 5.
- Smirnov I., Sivak E., Kozmina Y. (2016) In Search of Lost Profiles: The Reliability of VKontakte Data and Its Importance for Educational Research. *Educational Studies Moscow*, No.4, P. 106-122.
- Sivak E., Yudkevich M. (2015) Academic Immobility and Inbreeding in Russian Universities. In *Academic Inbreeding and Mobility in Higher Education*. Ed. by Maria Yudkevich, Philip G. Altbach, Laura E. Rumbley. Palgrave Macmillan.

Teaching experience

At Summer Institute in Computational Social Science, HSE University (SICSS-HSE):

Organizing and managing the school, developing the school's program, teaching a workshop on prediction life outcomes, developing and teaching a workshop on Reddit as a source of digital traces data for social science research, June 2021

At Higher School of Economics:

Computational social science, 2018-2022 (offered to graduate students at the HSE University): co-developing the course, including theory lectures and exercises in Python.

Field Work: Theory and Practice (offered to graduate students at the HSE University), 2018-2019

Research Methods in Social Sciences (offered to graduate students at the HSE University), 2014-2018

At Moscow School for Social and Economic Sciences:

Research methods in Social sciences, 2015-2017

Selected talks

Children's occupational preferences: evidence from a theme park behavioral logs. 7th International Conference on Computational Social Science (IC2S2), 2021

Measuring Adolescents' Well-Being: Correspondence of Naïve Digital Traces to Survey Data. 12th International Conference on Social Informatics (SocInfo 2020) (Pisa).

Gender Bias in Sharenting: Both Men and Women Mention Sons More Often Than Daughters on Social Media. *European Symposium Series on Societal Challenges in*

Computational Social Science. 2018: Bias and Discrimination. Cologne, Germany, 2018.

Gender bias and gender inequality. *Science-slam at the second Eurocss symposium*, Cologne, Germany, December 5th, 2018 (winner)

Managing Intensive Parenting: Mothers' Perception of Grandparents' Interference in Child-Rearing. *Parenting and Personhood: Cross-cultural perspectives on expertise, family life and risk management*6 Canterbury, UK, 2016.

Service

Program Committee Member of European Symposium Series on Societal Challenges in Computational Social Science 2018

Reviewer for Sociological Research online