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## Education

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| 2021 | Doctoral School of Sociology, HSE University   |
| 2017 | Master's with HSE University.  |
| 2013 | Degree in Social Work with Tomsk State University of Control Systems and Radioelectronics. |

## Research Interests and Experience

The public sphere, online and social media: how do they bring about social and political change? Can digital-trace data and computer science approaches help us understand better how the social is generated and changed?

### 2016—present: Junior Research Fellow at the Social & Cognitive Informatics Lab (HSE University)

- *Political news on Russia and its neighbors on social media: major content features, factors of trust and news truthfulness detection by users of different countries*, research assistant, 2019—present.
- *Online Spread of Socio-Political News: Fake News and its Mechanics*, research assistant, 2018—2020.
- *PolSentiLex: Sentiment Detection in Socio-political Discussions on Russian Social Media*, research assistant, 2016—2020.
- *The Representation of the Ukrainian Crisis in News: Frame Analysis with Topic Modeling*, 2016—2017.

## Skills

- LANGUAGES: R (advanced), Python (advanced for data analysis, scraping and parsing)
- QUANTITATIVE METHODS: Linear Regressions including GLM, ANOVA type models, Linear Mixed Effects Models, other standard stats. and clustering techniques.
- MACHINE LEARNING: Naïve Bayes, k-Means, c-Means, Random Forests, SVM, KNN.

- Social Network Analysis (intermediate) in R and Python.  
+ EXPERIENCED IN TEXT-AS-DATA:
- Topic Modeling: Latent Dirichlet Allocations (confident), Structural Topic Model (confident).
- General text mining techniques from computational linguistic mostly in the R environment and some Python.  
+ SOFTWARE:
- I strive to use *only* open source and open science tools.
- GNU Emacs, org-mode, L<sup>A</sup>T<sub>E</sub>X, Graphviz, pandoc, hugo, Git, Make, RStudio, Jupyter, conda.

## Peer-Reviewed Papers

### 2022

- [Following the Lead When Nothing is Certain? Exploring the Image of Russia in Kazakhstani and Ukrainian Digital News Media](#), in: *Digital Transformation and Global Society* with Anastasia Prytkova & Sergei Koltcov.

### 2021

- [Public agenda fragmentation beyond established democracies: the case of Russian online publics in 2017](#), in: *Russian Journal of Communication*.
- [Coverage of Presidential Elections in Kazakhstan and Ukraine by Russian Media](#), in: *Polis. Political Studies* (in Russian) with Olessia Koltsova, Daria Judina, Alina Kolycheva.
- [Modeling Cascade Growth: Predicting Content Diffusion on VKontakte](#), in: *Networks in the Global World V* with Anna Moroz & Sergei Koltsov.
- [‘Alien Elections’: Neighboring State News on the 2018 Russian Presidential Elections](#), in: *Journal of Economic Sociology* (in Russian) with Anastasia Kazun.

### 2020

- [PolSentiLex: Sentiment Detection in Socio-political Discussions on Russian Social Media](#), in: *Artificial Intelligence and Natural Language (AINL20)* with Olessia Koltsova, Svetlana Alexeeva & Sergei Koltsov.
- [Fast Tuning of Topic Models: An Application of Rényi Entropy and Renormalization Theory](#), in: *Proceedings of the 5th International Electronic Conference on Entropy and Its Applications* with Sergei Koltsov & Vera Ignatenko.
- [How many clusters? An Entropic Approach to Hierarchical Cluster Analysis](#), in: *Computing Conference 2020* with Sergei Koltsov & Vera Ignatenko.

### 2019

- [Agenda divergence in a developing conflict: Quantitative evidence from Ukrainian and Russian TV newsfeeds](#), in: *Media, War & Conflict* with Olessia Koltsova.

## 2018

- [A Full-Cycle Methodology for News Topic Modelling and User Feedback Research](#), in: *SocInfo 2018* with Sergei Koltsov & Sofia Dokuka.

## 2016

- [Topic Modelling for Frame Analysis of News Media](#), in: *Proceedings of the Artificial Intelligence and Natural Language AINL FRUCT 2016 Conference*.

## Professional Service

### Conferences

- Organizing Committee: Social Informatics 2018, DTGS 2021, Social Informatics 2022 (PC).
- Reviewer: ICA, Social Informatics, Internet Science, CMSTW, DTGS.

### Journals

- Reviewer: PLOS ONE, Media and Communication.

### Associations

- 2018—present: member of [International Communication Association](#). Divisions: Computational Methods, Political Communication.

## Teaching

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| 2021—present | Research Seminar "Data Analytics for Politics and Society" (HSE, MA)<br>Python Programming (HSE, MA)<br>"Python Generation:" course for beginners (HSE, elective)<br>Mentor's Seminar "Social Data Analytics" (HSE, MA)<br>Data Analysis (HSE, MA)<br>Introduction to Digital Social Studies (HSE, honours track) |
| 2019—2021    | Data Analysis with Python (HSE, MA and PhD programs)<br>Python Programming Language and Social Networks (HSE, MA)   |
| 2018—2019    | Social Media Analytics (HSE, BA program).   |

## Presentations and Conferences

### 2022

- Authoritarian Publics: Agenda Fragmentation. *Social Media Impact on International Affairs* May 22–25 / Germany, Bonn.

### 2021

- Public agenda fragmentation beyond established democracies: the case of Russian online publics in 2017. *St. Petersburg International Conference on Inequality and Diversity* / Online
- Following the Lead when Nothing is Certain? Exploring the Image of Russia in Kazakhstani and Ukrainian Digital News Media. *Digital Transformation & Global Society. DTGS 2021* / Online

## 2020

- 'Alien Elections': Ukrainian News Media on the 2018 Russian Presidential Elections. *St. Petersburg International Conference on Inequality and Diversity* / Online
- PolSentiLex: Sentiment Detection in Socio-political Discussions on Russian Social Media. *Artificial Intelligence and Natural Language. AINL 2020* / Online.

## 2019

- Media Diets and News Agendas Online: A Case of the 2017 Protests in Russia *19th Annual Aleksanteri Conference "Technology, Culture, and Society in the Eurasian Space"* / Helsinki, Finland.
- Media Diets and News Agendas Online: A Case of the 2017 Protests in Russia *St. Petersburg Conference on Inequality and Diversity* / St. Petersburg, Russia.
- Topic Modelling as an Instrument of Soft Clustering in Social Sciences *HSE Digital Humanities Meet-up* / Moscow, Russia.

## 2018

- A Full-Cycle Methodology for News Topic Modelling and User Feedback Research *10th International Conference on Social Informatics. SocInfo 2018* / Saint Petersburg, Russia.
- Agenda Divergence in a Developing Conflict: A Quantitative Evidence from a Ukrainian and a Russian TV Newsfeeds (with Olessia Koltsova) *68th Annual ICA Conference: Voices* / Prague, Czech Republic.

## 2017

- The Representation of Ukrainian Crisis in News: Frame Analysis with Topic Modelling. *5th International Conference Comparative Media Studies in Today's World: Media Transformations in Times of Technological Boom and Political Polarization* / Saint Petersburg, Russia.

## 2016

- Topic Modelling for Frame Analysis of News Media *Artificial Intelligence and Natural Language. AINL 2016* / Saint Petersburg, Russia.

## Awards and Scholarships

### 2022

- Top Paper Award from the Political Communication Division of the *International Communication Association*.

### 2021

- Best Paper Award by *National Association of Media Scholars* for the paper "Alien Elections': Ukrainian News Media on the 2018 Russian Presidential Elections.'

## 2019

- HSE Young Faculty Support Program (Group of Young Academic Professionals). Category ‘New Researchers’ (2019–2020).

## 2018

- Top Paper Award from the Political Communication Division of the *International Communication Association*.
- Advanced Doctoral Programme Scholarship of the HSE University.

## Supplementary Education

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| Summer Schools | Experimental Methods & Simulations in Social and Cognitive Sciences, HSE, 13–22 July, 2021.<br>Empowering Your Academic Writing in English: Academic vs. General, HSE, September 30–November 24, 2019.<br>Social Media Theory and Research, Radboud University, Nijmegen, 1–5 July 2019.<br>Web Science Summer School (WWSSS’17) |
| Seminars       | 2019, FRRESH Spring Seminar / FIRST Intensive Course<br>Included workshops on writing and teaching.  |
| Coursera       | 2015, Exploratory Data Analysis, Johns Hopkins University.<br>2015, Practical Machine Learning, Johns Hopkins University.<br>2015, Questionnaire Design for Social Surveys, University of Michigan.<br>2014, Data Analysis, Johns Hopkins University.<br>2013, Computing for Data Analysis, Johns Hopkins University.            |

## Languages

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| English | IELTS overall band score 7.5 (Academic module). CEFR level C1. |
| Russian | Native speaker.  |