

Vsevolod Suschevskiy

CV

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Education

HSE University (National Research University Higher School of Economics), MSc Information Systems and Human-Computer Interaction 2020–2022

At HSE, I mostly focused on research-oriented courses and data science courses, and currently have a 8.0/10.0 GPA.

For my master's thesis I am preparing a conjoint experiment in R Shiny to explore the effect of different motivational types in interaction with social influence and geospatial information in Citizen Science project.

HSE University (National Research University Higher School of Economics), BSc Sociology and Social Informatics, minor in Data Science 2017–2020

At HSE, I mostly focused on Analytical Sociology and Computational Social Science, courses in Information Systems, Social Network Analysis, Text Mining, and Agent-Based Modelling, scoring 7.99/10 GPA. I was at the top of my cohort at the Data Science minor.

I dedicated my BSc thesis to studying how scientists with different disciplinary backgrounds collaborate, building co-authors' publication profiles based on connections venues they published in.

University of Bergen, Exchange term Aug–Dec 2019

I completed multiple courses in CS and Technology-Enhanced Learning (30 ECTS), including a master's level [Research Topics in Technology Enhanced Learning](#) with a project on design-based research of [Cognitive Tutor for Python course](#), graded as Excellent. I also took an extra-curriculum 10 ECTS course [Knowledge Representation and Reasoning](#), where I learned Prolog and theory behind Knowledge-based AI.

Immanuel Kant Baltic Federal University, Sociology Sep–Dec 2016

I enrolled on a state-funded place, but transferred after the first semester, as I wanted to specialize in Social Informatics and Computational Social Science.

Research and Professional Experience

Centre for the Science of Learning & Technology (SLATE) in University of Bergen, 2020–Present

Research intern, Supervisor: Dr. Mohammad Khalil

Create course recommendation system for exchange students ([CERES](#))

Took several interviews with exchange students

Set up an experiment to test perception of different course recommendation algorithms by students

Co-authored a poster/paper for Learning Analytics and Knowledge 2021 conference

Did a statistical analysis of the classroom intervention using Mixed Models for clustering and SEM to explain connection between learner's motivation, app usage and learning outcomes.

Data Science minor at HSE University, Invited Lecturer 2020–present

Prepared seminars on introduction to Data Science, created interactive tutor exercises.

Participated in learning design for transferring the course to online mode. Working on the tools to support team preference elicitation and matching and reflective prompts to support team self-regulation throughout the group project.

Core Analytics at VK (ВКонтакте), Research internship Jul–Sep 2021

Population scale computational social science and SNA with the help of ego-graph models.

Validating Robin Dunbar's concepts of social circles on dyadic interactions, examining dynamics of social circles. I proposed to study further perception of privacy at this social networking platform, since some groups of users have not completely filled circles, while others miss support clique.

Machine Learning and Social Computing Research and Study Group at HSE University, 2017–2018;

Junior member, Supervisor: Prof. A. Suvorova 2019–2020

My main Project was related to Social Network Analysis of eSports transfers with ERGMs (with I. Musabirov)

I also worked on tutorials for junior students on Bayesian network analysis and xAI and model interpretation for Data Science minor

HSE University, Teaching assistant 2017–2020

Data Science minor (2018-2019), Lecturer: Prof. A. Suvorova

Developed and taught Tutorial on data visualization with ggplot2 and date-time data processing with lubridate. Composed and assessed tests

Agent-Based Modeling (2018-2019, 2019-2020), Lecturer: I. Musabirov

Developed a set of exercises on different ways to define agent logics (probabilistic models, decision rules) and integrate decision theories (TPB, DBI, DBO, RL) into ABM framework, developed a module on Agent-based network models, curated NetLogo models collection for the course, held tutorials in Zoom and MS Teams

Extracurricular Schools & Courses

- IPSA – HSE Summer School for Methods of Political & Social Research** (Online) Aug 2021
I finished course on Experimental Methods in the Social Science, and wrote a proposal for a field experiment, combining social influence and social circles.
Lecturers: Dr. Israel Marques II
- SICSS-London** (University College London, Online) June 2021
Launched survey on a crowdworking platform Mechanical Turk, and analysed results with post-stratification approach. Tried to build online experiment in Empirica virtual lab.
Lecturers: Joshua Becker et. al
- SNA CONNECT 2021 on Dynamic Network Actor Models** (Online) May 2021
I learned how to use new parameters in DyNAMs to model time windows and changes in the nodes attributes.
Lecturers: Christoph Stadtfeld and Alvaro Uzaheta
- ESSA-BEHAVE Summer School on Agent-Based Modeling** (Online) Sep 2020
I completed an Advanced track (3ECTS) with a focus on theory development and empirical research with ABM, agent-based network models, calibration and validation of ABM. School director: Prof. F. Squazzoni (University of Milan)
- Social Simulation Conference** (Stockholm, Sweden) Aug 2018
Using theories on human decision-making in ABMs
- Networks in the Global World 2018** (St.Petersburg, Russia) July 2018
Estimating dynamic network actor models (DyNAMs) with the goldfish software
- XXXVIII Sunbelt Conference**, (Utrecht, Netherlands) June 2018
Introduction to ERGMs using statnet
- Introduction to Reinforcement Learning in Python**, Coursera Project Network Jan 2021
- Experimental Design Basics**, Arizona State University, Coursera Jan 2021
- Computer Simulations**, University of California, Coursera Aug 2020
- Social and Economic Networks: Models and Analysis**, Stanford University, Coursera Dec 2019
- Model Thinking**, University of Michigan, Coursera Oct 2019

Conference Publications & Presentations

- [1] Creating a Course Recommendation System for Exchange Students
Vsevolod Suschevskiy, Mohammad Khalil
Companion Proceedings 11th International Conference on Learning Analytics & Knowledge (LAK21), 2021
- [2] Teaching Undergraduate Sociologists Modeling and Computational Thinking
Ilya Musabirov, Vsevolod Suschevskiy
Proceedings of the 51st ACM Technical Symposium on Computer Science Education, 2020. DOI: [10.1145/3328778.3372687](https://doi.org/10.1145/3328778.3372687)
- [3] Analysis of Players Transfers in Esports. The Case of Dota 2
Ekaterina Marchenko, Vsevolod Suschevskiy
Proceedings of the 22nd International Academic Mindtrek Conference, 2018. DOI: [10.1145/3275116.3275151](https://doi.org/10.1145/3275116.3275151)
- [4] Network Analysis of Players Transfers in eSports: The Case of Dota 2
Vsevolod Suschevskiy, Ekaterina Marchenko
Digital Transformation and Global Society, 2018. DOI: [10.1007/978-3-030-02843-5_38](https://doi.org/10.1007/978-3-030-02843-5_38)
- [5] Agent-Based Modeling of Transfers Between Teams in Esports
Vsevolod Suschevskiy, Ilya Musabirov
Virtual Sunbelt, Virtual poster, <http://www.pfeffer.at/sunbelt/talks/1092.html>, 2020
- [6] Network Analysis of Global Transfers in Dota 2
Vsevolod Suschevskiy, Ilya Musabirov, Denis Buligin, Ekaterina Marchenko
5th International Conference on Computational Social Science, Amsterdam, Netherlands, Poster, <https://2019.ic2s2.org/posters/>, 2019

- [7] Network Analysis of Players Transfers in eSports. The case of Dota 2
Vsevolod Suschevskiy, Ekaterina Marchenko
XXXVIII SUNBELT Conference of the International Network for Social Network Analysis, Utrecht, Netherlands, Poster <https://sunbelt.sites.uu.nl/>, 2018

Scholarships and Awards

HSE University 50% tuition fee scholarship for the top of a cohort by GPA

HSE University travel grant for presenting poster at 5th International Conference on Computational Social Science July 17-20, 2019, University of Amsterdam, The Netherlands

HSE University travel grant for presenting poster at The 51st ACM Technical Symposium on Computer Science Education March 11-14, 2020, Portland, OR, USA

University of Bergen Exchange Scholarship in the framework of Capacity Building in Technology Enhanced Learning Project

Volunteer Experience

Women Data Leaders in Russia, Co-ambassador

2018–2020

Organization of poster section at the Women in Data Science at HSE conference

Interview with Jana Diesner and Milena Tsvetkova

Edited interviews for [YouTube channel](#) to encourage more people in Data Science

Computer skills

Data analysis: R (**tidyverse**, `igraph`, `rvest`, `bnlearn`, `ERGM`); Python (`pandas`, `pyspark`, `networkx`);

Machine Learning: R (**tidymodels**, `rpart`, `LDA`, `stm`); Python (`Tensorflow`, `gensim`);

Visualization: R (`ggplot2`, `visNetwork`, `plotly`, `shinydashboard`), Tableau;

Interactive web apps: **R shiny**

Data bases: SQL – ClickHouse, noSQL – Elasticsearch;

System administration: Linux (Ubuntu), [Github](#);

Desktop publishing: \LaTeX ;

Other: **NetLogo** (Agent-Based Modeling), Prolog (First-order logic, Knowledge representation);

Media editing: Adobe Premiere Pro, Adobe After Effects, Adobe Photoshop, Open Broadcast Software;

Languages

Mother tongue: **Russian**

Other Languages: **English** – C1 (7.5), (IELTS, Dec 2019), **Esperanto** – studying for fun