

# Vsevolod Suschevskiy

## CV for Exchange with University of Bergen

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### Education

**HSE University** (National Research University Higher School of Economics), MA 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.

**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 (8.6/10 for the last three years). 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

**Data Science minor at HSE University**, Instructor 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.

**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

**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

<b>Networks in the Global World 2018</b> (St.Petersburg, Russia)	July 2018
Estimating dynamic network actor models (DyNAMs) with the goldfish software	
<b>XXXVIII Sunbelt Conference</b> , (Utrecht, Netherlands)	June 2018
Introduction to ERGMs using statnet	
<b>Introduction to Reinforcement Learning in Python</b> , Coursera Project Network	Jan 2021
<b>Experimental Design Basics</b> , Arizona State University, Coursera	Jan 2021
<b>Computer Simulations</b> , University of California, Coursera	Aug 2020
<b>Social and Economic Networks: Models and Analysis</b> , Stanford University, Coursera	Dec 2019
<b>Model Thinking</b> , University of Michigan, Coursera	Oct 2019

## Conference Publications & Presentations

Poster "Creating a Course Recommendation System for Exchange Students" (with Mohammad Khalil) was accepted to The 11th International Conference on Learning Analytics & Knowledge (LAK21) and will published in companion proceedings.

- [1] 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)
- [2] 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)
- [3] 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)
- [4] 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
- [5] Visualising Learning Data  
Ilya Musabirov, Paul Okopnyi, Victor Karepin  
*Nordic Learning Analytics Summer Institute 2019, Tallinn, Estonia*, Workshop organization, <https://lasi2019.tlu.ee/program/workshops/>, 2019
- [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] Agent Modeling of Transfers Between Teams in Esports  
Vsevolod Suschevskiy, Ilya Musabirov  
*12th Annual International Network of Analytical Sociology (INAS) Conference 2019, St. Petersburg, Russia*, Poster, <https://spb.hse.ru/inas2019>, 2019
- [8] Network of Players Transfer in eSports. The case of Dota 2  
Vsevolod Suschevskiy, Ilya Musabirov  
*Networks in the Global World 2018: Principles behind Structures, St. Petersburg, Russia*, Oral presentation, [https://zdes.spbu.ru/images/NetGloW\\_2018\\_web.pdf](https://zdes.spbu.ru/images/NetGloW_2018_web.pdf), 2018
- [9] 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, aiogram);

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

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

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

Desktop publishing:  $\text{\LaTeX}$ ;

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)