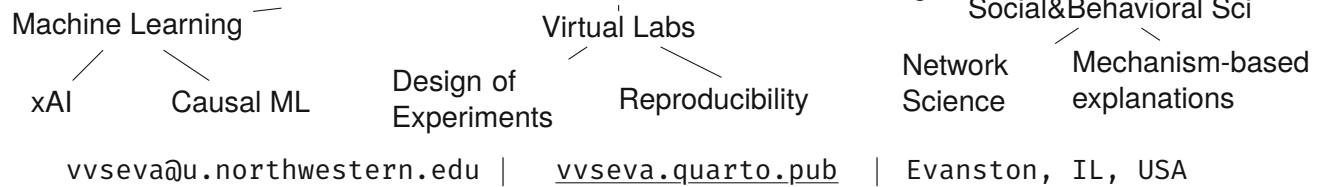


# Vsevolod Suschevskiy



## Research Experience

### Northwestern University

June 2022 - present

*Graduate Research Assistant*

Evanston, IL

- Tools and practices to support reproducible experimental research
- Designing virtual lab experiment for studying collaboration in Human-AI teams
- Data-Driven research of Human-AI Communication in teams, using multilayer-ERGMs (paper in progress)
- Designing Transition from Wizard of Oz-style experiment to a digital experiment powered by LLMs and deployed on Empirica.ly platform (MVP ready)
- Interactive survey to study unfriending at Facebook (pre-pilot)
- Grant proposal writing
- Undergraduate interns supervision

### Centre For The Science Of Learning & Technology, University of Bergen

Jan. 2020 – Jun. 2021

*Research Assistant*

Bergen, Norway

- Created a virtual lab environment for reproducible experimentation on **course choice motivations and recommendation systems** for exchange students, using Shiny, Elasticsearch, and TensorFlow.
- 10+ Think aloud interviews, 50+ user test participants

## Education

### Northwestern University

June 2022 – present

*Graduate Student in Technology and Social Behavior*

Evanston, IL, USA

- Study the adoption of AI in teams and organizations from a socio-technical perspective and tools and practices to support reproducible experimental research
- Relevant coursework: COMP SCI 496: Visualization for Scientific Communication (Matthew Kay); COMP SCI 496: The Design of Technological Tools for Thinking and Learning (Uri Wilensky); COMP SCI 415 Design, Technology, & Research (Haoqi Zhang); MTS 519 Responsible Conduct Research; COMP SCI 497 Explanation and reproducibility in data-driven science (Jessica Hullman); MTS 525: Qualitative Methods for Understanding Technology Use and Design (Duri Long); MORS 526 Micro-Organizational Research Methods (Adam Waytz)

### HSE University

Sept. 2020 – Jun. 2022

*MSc Information Systems and Human-Computer Interaction*

St.Petersburg, Russia

- Thesis: "Experiments in Designing Personalized Motivational Systems" is a set of virtual labs designed to test the idea of self-nudging in crowdsourcing workers settings

### HSE University, University of Bergen

Jan. 2017 – Jun. 2020

*BA Sociology and Social Informatics*

St.Petersburg, Russia, Bergen, Norway

- Thesis: "Computational Modelling Frameworks in Sociology: Scientometric Analysis" is a sociology of science work on how researchers transfer their epistemic beliefs from the original discipline into applied theoretical frameworks and computational representations
- University of Bergen: Research Topics in Technology Enhanced Learning; Knowledge Representation and Reasoning

## References

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- Matthew Kay, Assoc. Prof. Northwestern University, Department of Computer Science and Communication Studies, mjskay@northwestern.edu
- Barbara Wasson, Director, Centre for Science of Learning and Technology, Prof. Department of Information Science and Media Studies, University of Bergen, barbara.wasson@uib.no
- Ilya Musabirov, incoming Educational Leadership Assist. Prof., Department of Computer Science, University of British Columbia (2018-2021: Senior Lecturer at HSE University), ilm@cs.ubc.ca

## Publications and Manuscripts

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- Suschevskiy, Vsevolod, DeChurch, L., & Contractor, N. (in progress). The structure of Leadership in Human-AI Teams. *The 28th ACM Conference on Computer-Supported Cooperative Work and Social Computing*.
- Cruz Cortés, E., Lee, J., Lehoucq, E., & Suschevskiy, Vsevolod. (2024). A comment on "se habla español: Spanish-language appeals and candidate evaluations in the united states". *I4R Discussion Paper Series*, (165). Retrieved October 19, 2024, from <https://econpapers.repec.org/paper/zbwi4rdps/165.htm>
- Musabirov, I., Suschevskiy, Vsevolod, & Song, H. (2024). Adaptive Experimentation in Learning Engineering: Communication and Choice Strategies. A Study Design. *Learning @ Scale 2024, 5th Workshop on A/B Testing and Platform Enabled Learning Research*.
- Suschevskiy, Vsevolod & Khalil, M. (2021). Creating a Course Recommendation System for Exchange Students. *Companion Proceedings 11th International Conference on Learning Analytics & Knowledge (LAK21)*.
- Musabirov, I., & Suschevskiy, Vsevolod. (2020). Teaching Undergraduate Sociologists Modeling and Computational Thinking. *Proceedings of the 51st ACM Technical Symposium on Computer Science Education*, 1368. <https://doi.org/10.1145/3328778.3372687>
- Marchenko, E., & Suschevskiy, Vsevolod. (2018). Analysis of Players Transfers in Esports. The Case of Dota 2. *Proceedings of the 22nd International Academic Mindtrek Conference*, 255–257. <https://doi.org/10.1145/3275116.3275151>
- Suschevskiy, Vsevolod & Marchenko, E. (2018). Network Analysis of Players Transfers in eSports: The Case of Dota 2. In D. A. Alexandrov, A. V. Boukhanovsky, A. V. Chugunov, Y. Kabanov, & O. Koltsova (Eds.), *Digital Transformation and Global Society* (pp. 468–473). Springer International Publishing. [https://doi.org/10.1007/978-3-030-02843-5\\_38](https://doi.org/10.1007/978-3-030-02843-5_38)

## Conference presentations

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- Suschevskiy, Vsevolod, Javalagi, A., Sean, F., Hoshi, F., Cueva, X. L., Garcia, J., DeChurch, L., & Contractor, N. (2023, November). Approaches to Investigating Human-AI Teams: Transition from the Wizard of Oz to LLM-Powered Agents [ Conference Presentation at 2023 Conference on Digital Experimentation @ MIT (CODE@MIT)].

- Suschevskiy, Vsevolod, Larson, L., Malte, J., DeChurch, L., & Contractor, N. (2023, June). Exploring the Structure of Human-AI Interaction Networks: The Impact of AI Teammate Modes on Collaboration and Performance [ [Poster Presentation](#) at The International Conference for Computational Social Science (IC2S2)].
- Suschevskiy, Vsevolod & Musabirov, I. (2022, October). Experiments in Designing Personalized Motivational Systems [ [Poster Presentation](#) at Northwestern's Lambert Conference on the Future of Human-Computer Interaction + Design, Evanston]. [https://bit.ly/HCI\\_D\\_EXPERIMENT](https://bit.ly/HCI_D_EXPERIMENT)
- Suschevskiy, Vsevolod & Musabirov, I. (2020, July). Agent-Based Modeling of Transfers Between Teams in Esports [Virtual poster, <http://www.pfeffer.at/sunbelt/talks/1092.html>].
- Suschevskiy, Vsevolod, Musabirov, I., Buligin, D., & Marchenko, E. (2019, July). Network Analysis of Global Transfers in Dota 2 [*Amsterdam, Netherlands*, Poster, <https://2019.ic2s2.org/posters/>].

## Volunteer Experience

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### HELPDESK.MEDIA

Sept. 2022

- Provided consultations on how to safely escape areas affected by war.

### Women Data Leaders in Russia

Sept. 2018 – Jun. 2020

- Organized poster session; Interviewed Jana Diesner and Milena Tsvetkova; Edited video for youtube channel

## Awards

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**Toloka Research Grant (Yandex LLC)** : Supported my MSc thesis experimental research on behavioural nudges and boosts. Feb 2022.

**Peter and Adrienne Barris Outstanding Teaching Assistant** : Northwestern Computer Science honors and recognizes students who demonstrate excellence in computer science mentoring and teaching. Spring 2024 Social Network Analysis class. (COMP-SCI 341)

## Teaching Experience

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### Northwestern University

Mar. 2023 - Aug. 2024

#### *Graduate Teaching Assistant*

Evanston, IL

- Fall 2023 COMP SCI 330: Human-Computer Interaction; 200+ undergraduate students; lo-fi paper prototyping; Figma; Prof.: Matthew Kay
- Spring 2023, Spring 2024; MSC 492: Leading & Leveraging Networks; 50+ graduate students; Prof.: Noshir Contractor
- Spring 2024, COMP SCI 341: Social Network Analysis; 75+ STEM and non-STEM students; Prof.: Noshir Contractor
- Fall 2024, Kellogg Executive Education: Leading collaboration; 50+ adults students; Prof.: Leslie DeChurch

### HSE University, European University At St. Petersburg

Sept. 2018 – Jun. 2022

#### *Lecturer 2020-22, Teaching Assistant 2018, 19*

St.Petersburg, Russia

- Data Science Minor: CS0 and CS1 for non-STEM majors; tidyverse, tidymodels, shiny; offline to online transition

- MSc UX Analytics and Information System Design: Research Seminar; Intro to experiments in HCI
- MSc Data Analytics for Politics and Society: 15+ graduate students; sklearn, pandas, crowdsourcing
- Data Visualization: MSc Applied Data Analysis (PANDAN); Grammar of Graphics, ggplot2, tableau; 20+ professional and graduate students
- Theory Construction and Model Building: Undergraduate elective for Sociology Major students; Integration of theoretical frameworks, e.g. Desire-belief-opportunity, Theory of Planned behavior, Bounded rationality with Computational representation, e.g. production rules, probabilistic models; NetLogo.

## Industry Experience

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### **Core Analytics at VK (Largest social networking platform in Russia)**

July - Sep. 2021

#### *Research Internship*

St. Petersburg, Russia

- Population Scale Social Network Analysis: Validating Robin Dunbar's concept of social circles on dyadic interactions, examining dynamics of social circles. Privacy-focused design recommendations.
- [VK Teach Talk video \(in Russian\)](#).

## Skills

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

**Machine Learning** : R (**tidymodels**, rpart, LDA, STM); Python (Tensorflow, spacy, gensim, huggingface, LLMs)

**Visualization** : R (ggplot2, visNetwork, plotly, shinydashboard), Tableau; Python (Seaborn, Plotly)

**Interactive web apps** : R (Shiny), JavaScript (empirica.ly)

**Data Bases** : SQL (ClickHouse, MongoDB), noSQL (Elasticsearch)

**All other random stuff** : Linux, AWS, git, NetLogo, Prolog, Open Broadcast Software, Adobe Premiere Pro,  $\text{\LaTeX}$

## Languages

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**Russian** : Native

**English** : C1/C2; IELTS 7.5 2021

**French** : beginner