

# Ilya Musabirov

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Education	
2014-2015	Master's Degree, Digital Media and Information Society (exp. 2016) Uppsala University (Sweden) <ul style="list-style-type: none"><li>• Courses in Digital Media and Information Society, Internet, Social Media and Society, Quantitative Methods I, II, Information Retrieval (advanced)</li><li>• Thesis <i>Pricing Status. Performance, Media Saliience, Roles. Case of Dota 2 (exp. June 2016)</i> (Methods: Data Mining and Text Mining, Quantitative Modelling)</li></ul>
2012-2014	Master of Science in Computer Science (Informatics) and Computing Machinery (with honours) University ITMO, St. Petersburg (Russia) <ul style="list-style-type: none"><li>• Courses in Theoretical CS, Networks, cloud computing, computer appliances, Service-Oriented Architecture, Systems Design and Development</li><li>• Thesis: <i>Analyzing Software Ecosystem Evolution. The case of R project data</i> (Methods: Social Network Analysis, Software Repositories Mining, Statistics), with distinction</li></ul>
2010-2012	Graduate Certificate in Data Mining and Applications Stanford University, Palo Alto (United States) (via Stanford Center for Professional Development) <ul style="list-style-type: none"><li>• Courses: STATS202 Data Mining and Applications, STATS290 Paradigms for Computing with Data, STATS315B Modern Applied Statistics: Data Mining</li></ul>
2001-2006	Computational Economist (Specialist Degree): Applied Informatics in Economics Kemerovo State University, Kemerovo (Russia) <ul style="list-style-type: none"><li>• Courses: Mathematical and Economical Modelling, Statistics, Information Systems Development, Systems Analysis, Industrial Management, Software Engineering, Simulation, Operational Research</li></ul>
Work experience	
2013–present	Lecturer and Jr. Research Fellow National Research University Higher School of Economics, St. Petersburg (Russia) Co-developed minor in Data Science programme with a strong accent on interdisciplinarity and digital research. Teach courses in Information Systems, Digital Transitions in Business and Society, Web Science, Simulation (BA programme Sociology and Social Informatics). Developed and co-teach Introductory Programming for Sociologists course (for the 1st year students), including industry guests modules and Data Mining projects. Developed and co-teach several cross-disciplinary courses aimed at providing students with a big picture of collecting, analysing and applying data. My research activities involve reputation systems and sensemaking on the Web, social game studies, social learning analytics, consumption patterns of teen and university students based on social network and survey data, computer science education for non-STEM majors
2009–2012	PlusMobile LLC, St.Petersburg (Russia) Went from data analyst to lead engineer Designed and managed development of Payments processing, Split-testing framework, Reporting, dashboards Data Mining, Customer analytics, descriptive and predictive models in R, Python scripting, analytical databases (column storages). Cohort analysis, churn analysis, CLV/LTV
2006-2009	Computer systems designer and analyst RIKT JSC, Mezhdurechensk (Russia) <ul style="list-style-type: none"><li>- New IT services analysis and development</li><li>- User behaviour data analysis</li><li>- Supervision of Technical Support Team (sale support aspect)</li><li>- Organisational analysis</li><li>- Data mining of telecom data (part-time since 2007)</li></ul>
Skill areas	
	<ul style="list-style-type: none"><li>• Statistical Learning and Data Mining</li><li>• Programming and Data Analysis in R/Python</li><li>• Databases (MySQL, MongoDB, Columnar Storages (Infobright, InfiniDB))</li><li>• Reproducible Research Ecosystems</li><li>• Social Network Analysis/Network Science</li><li>• Information Retrieval and Text Mining</li><li>• Web Services Architecture, RESTful interfaces/API – design</li><li>• Distributed Data Processing (Hive, Pig)</li><li>• Linux administration</li><li>• Systems Analysis/Business Analysis (UML, Use Cases)</li><li>• Social Learning Analytics</li></ul>

<p><b>Publications</b> (up-to-date list is available here: <a href="http://www.hse.ru/staff/ilya.musabirov">http://www.hse.ru/staff/ilya.musabirov</a>)</p>	<ul style="list-style-type: none"> <li>• Chapter: Voskresenskiy, Vadim, Ilya Musabirov, and Daniel Alexandrov. 2016. "Private and Public Online Groups in Apartment Buildings of St. Petersburg." In Proceedings of the 8th ACM Conference on Web Science, 301-6. WebSci '16. New York, NY, USA: ACM. doi:10.1145/2908131.2908173.</li> <li>• Chapter: Alexandrov, Daniel, Alexey Gorgadze, and Ilya Musabirov. 2016. "Virtual Caucasus on VK Social Networking Site." In Proceedings of the 8th ACM Conference on Web Science, 215-17. WebSci '16. New York, NY, USA: ACM. doi:10.1145/2908131.2908205.</li> <li>• Chapter: Alexandrov, Daniel, Viktor Karepin, and Ilya Musabirov. 2016. "Educational Migration from Russia to China: Social Network Data." In Proceedings of the 8th ACM Conference on Web Science, 309-11. WebSci '16. New York, NY, USA: ACM. doi:10.1145/2908131.2908192.</li> <li>• <i>Accepted, to appear:</i> Alexander Sirotkin, Ilya Musabirov, Paul Okopny, Denis Bulygin and Vladimir Ivanov. Topic Modeling for Answers Detection in Online Game Chats in: Proceedings of Analysis of Images, Social Networks and Texts conference, 2016.</li> <li>• Chapter (Scopus): Ilya Musabirov, Paul Okopny, Bulygin D. Analyzing Chat Logs in Online Games for Tutorial Improvement, in: Proceedings of the ACM SIGCHI annual symposium on Computer-human interaction in play. NY : ACM, 2015. P. 661-666.</li> <li>• Chapter (Scopus): Paul Okopny, Ilya Musabirov, Daniel Alexandrov. Informal In-Game Help Practices in Massive Multiplayer Online Games, in: Lecture Notes in Computer Science Vol. 8852: SocInfo 2014 International Workshops, Barcelona, Spain, November 11, 2014, Revised Selected Papers. Springer International Publishing, 2015.</li> <li>• Chapter (Scopus): Vadim Voskresenskiy, Kirill Sukharev, Ilya Musabirov, Daniel Alexandrov. Online Communication in Apartment Buildings, in: Lecture Notes in Computer Science Vol. 8852: SocInfo 2014 International Workshops, Barcelona, Spain, November 11, 2014, Revised Selected Papers. Springer International Publishing, 2015</li> </ul>
<p><b>Conferences</b> (up-to-date list is available here: <a href="http://www.hse.ru/staff/ilya.musabirov">http://www.hse.ru/staff/ilya.musabirov</a>)</p>	<ul style="list-style-type: none"> <li>• 8th ACM Conference on Web Science, 215-17. WebSci 16 Long talk: Private and Public Online Groups in Apartment Buildings of St. Petersburg, co-author of short talk and poster (see publ.)</li> <li>• 12<sup>th</sup> Annual Game Research Lab seminar (U Tampere, 2015) Presentations: Cosmetic Items Pricing in Dota 2 (w/D. Bulygin, A. Sirotkin, P. Okopny), Observing status purchasing and stratification in F2P online games: the case of Lady Popular (w/P. Okopny, D. Krysanova, G. Lysov)</li> <li>• International Conference on computational Social Science (ICCSS 2015) Presentation: Online Communication in Apartment Buildings</li> <li>• GESIS Computational Social Science Winter Symposium 2015 (Cologne). Presentation: Educational Migration</li> <li>• 6th International Conference on Social Informatics (SocInfo 2014) Presentation: Informal In-Game Help Practices in Massive Multiplayer Online Games (EGG2014) Presentation: Online Communication in Apartment Buildings (CityLabs201)</li> <li>• GESIS Computational Social Science Winter Symposium 2014 (Cologne). Presentation: Online Communication in Apartment Buildings</li> </ul>
<p><b>References</b> (by request)</p>	<ul style="list-style-type: none"> <li>• Daniel Alexandrov PhD, Sociology of Education and Science Laboratory, Director; BA programme in Sociology and Social Informatics, Academic Director, Professor of Sociology</li> <li>• Alexander Sirotkin PhD (Computer Science), MSc programme "Big data in Business, Economics, Society", Academic Director; minor programme "Data Science", Academic Director; International laboratory for Applied Network Research, Senior Research Fellow</li> <li>• Valeria Ivaniushina PhD, Sociology of Education and Science Laboratory, Leading Research Fellow</li> <li>• Alena Suvorova PhD (Computer Science), Laboratory of Theoretical and Interdisciplinary Problems of Computer Science (SPII RAS), Research Fellow</li> </ul>