

Evgeny Sokolov

Contact Information	<i>Email:</i> sokolov.evg@gmail.com <i>Cell:</i> +7-915-484-24-50
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Date of Birth	March 06, 1991
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Education	<p>Moscow State University, Russia</p> <ul style="list-style-type: none">• Ph.D. student in Machine Learning• 2013 to 2016• Ph.D. thesis topic: Regularization and generalization ability of stochastic matrix factorizations <p>Moscow State University, Russia</p> <ul style="list-style-type: none">• Specialist in Applied Mathematics and Computer Science• 2008 to 2013• Master's thesis topic: Compositions of linear classifiers based on combinatorial generalization bounds (advisor: Dr. Konstantin Vorontsov)• GPA: 5.0• The 1st Degree Award for Best Master's Thesis
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Awards	Russian Olympiad in Informatics, 2008 <ul style="list-style-type: none">• Silver medal
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Research Interests	Machine learning, statistical learning theory, statistics, numerical optimization
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Industrial Experience	<p>Yandex Data Factory, Moscow, Russia</p> <ul style="list-style-type: none">• Data Scientist• Head of unstructured data analysis group• Since August 2014• Industrial data mining/machine learning projects for a broad range of customers <p>Yandex, Moscow, Russia</p> <ul style="list-style-type: none">• R&D Engineer• February 2014 – August 2014• Worked on internal machine learning tools (Yandex MatrixNet and its improvements) <p>Ozon.ru, Moscow, Russia</p> <ul style="list-style-type: none">• Data Mining Researcher• April 2013 – January 2014• Product search relevance improvement• Recommender system for similar products and accessories <p>Forecsys, Moscow, Russia</p> <ul style="list-style-type: none">• Researcher• October 2012 – March 2013• Worked on sales forecasting and safety stocks management algorithms
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Bioclinicum, Moscow, Russia

- Junior Researcher
- October 2011 – September 2012
- Worked on breast cancer diagnostic system project
- Performed statistical analysis of microarray-based experiments
- Developed a new model of DNA microarray data

Teaching Experience**Higher School of Economics**

- “Data Mining” minor, Lecturer
- Machine Learning course on Computer Science faculty, Lecturer
- Since January 2016

Moscow State University

- Practical Machine Learning course
- Since September 2013
- Course materials on GitHub: <https://github.com/esokolov/ml-course-msu>

Yandex School of Data Analysis

- Practical lessons for Machine Learning course (September 2014 – December 2014)
- Development and conduction of Industrial Machine Learning and Big Data courses for local and foreign clients (since September 2014)

Coursera

- “Introduction to Machine Learning” course: Lecturer (for 2 modules) and Teaching Assistant (preparation of practical assignments); <https://www.coursera.org/learn/introduction-machine-learning>
- “Machine Learning and Data Mining” specialization: Lecturer; <https://www.coursera.org/specializations/machine-learning-data-analysis>

Selected Publications

- Riabenko E., Kogadeeva M., Gavriilyuk K., **Sokolov E.**, Shanin I., Tonevitsky A. Comparing Affymetrix Human Gene 1.0 ST preprocessing methods on tissue mixture data. *6th International Conference on Bioinformatics and Biomedical Engineering (iCBBE)*, 2012. Shanghai, China.
 - **Sokolov E.**, Vorontsov K. Minimization of overfitting probability for low-dimensional ensembles of linear classifiers (in Russian). *9th International Conference “Intellectualization of Information Processing”*, 2012. Budva, Montenegro.
 - Vorontsov K., Frey A., **Sokolov E.** Computable Combinatorial Overfitting Bounds. // *Journal of Machine Learning and Data Analysis*, vol. 1, 6. 2013.
 - Romov P., **Sokolov E.** RecSys Challenge 2015: ensemble learning with categorical features. // *Proceedings of the 2015 International ACM Recommender Systems Challenge*. 2015.
 - **Sokolov E.**, Bogolubsky L. Topic Models Regularization and Initialization for Regression Problems. // *CIKM 2015, Workshop on Topic Models*. 2015.
 - Bedenkov A., Shpinev V., Suvorov N., **Sokolov E.**, Riabenko E.
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Consolidating Russia and Eurasia antibiotic resistance data for
1992–2014 using search engine // *Frontiers in Microbiology*. Vol. 7.
No. 294. 2016.
