

ALEKSANDR SINAYEV

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I have a PhD with coursework in psychology, computer science and statistics. My research projects combine machine learning and predictive modeling tools with insights from psychology to result in data-driven, actionable insights. I have an award-winning track record of communicating complex methods and results quickly to naïve and technical audiences honed through teaching and multiple national conference presentations.

EDUCATION	Ph.D Quantitative Psychology: Ohio State University, 2011 – 2016. BA Mathematics & BA Psychology: Binghamton University, 2007 – 2011.
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RESEARCH PROJECTS	Machine Learning: Created classifier of news article objectivity, agreeing with average reader for >90% of articles. Predictive Modeling (Dissertation Research): Used novel models to understand medical & financial choices of people in risky and stressful conditions. User Experience: Increased positive evaluation of consumer goods by increasing visibility in an online store display. Increased comprehension and willingness to use medications, by changing format of presentation.
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WORK EXPERIENCE	Teaching: Ohio State U, Johns Hopkins U, Binghamton U, Columbia U (2008 -) Taught graduate & undergraduate level statistics, game theory, philosophy Statistical Consulting: Farsite Group, Columbus, OH (2013); Ohio State University (2013 – 2015) Conducted and presented advanced statistical analyses for corporate and academic clients. Wrote blog entries to increase company visibility. Helped clients optimize experimental designs for power, select appropriate models and estimate those models (e.g., longitudinal modeling).
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SKILLS	Languages: R (incl. GGPlot2), Python, Java, SQL, SQLITE, Russian Technical Skills: Regression, clustering, classification, machine learning. Unstructured data. Natural language processing. Model evaluation and visualisation. Parallel computing. Soft Skills: Public speaking (two presentation awards). Writing (two first-author publications). Working in diverse groups (collaborated with medical doctors, marketers). Leading and mentoring (mentored undergraduate students).
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1ST AUTHOR PUBLICATIONS	Sinayev, A. & Peters, E. (2015) Cognitive reflection vs. calculation in decision making. <i>Frontiers in Psychology</i> , 6, doi: 10.3389/fpsyg.2015.00532 Sinayev, A., Peters, E., Tusler, M., & Fraenkel, L. (2015) Presenting numeric information with percentages and descriptive risk labels: A randomized Trial. <i>Medical Decision Making</i> , doi: 0272989X15584922
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SIGNIFICANT AWARDS	Computational Social Science Summit Datathon: 1 st place (May 2015) Ohio State University Graduate Student Research Forum: 1 st Place (Nov. 2013)
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