ALEKSANDR SINAYEV

☎ (718) 314 7469
✉ asinayev@gmail.com
🖱 asinayev.github.io

I am a data scientist with a proven ability to assess organizational needs, conceive data products and push them to deployment. My best work is centered on describing and predicting human behavior for which I use methods learned during and after my PhD in Quantitative Psychology.

WORK EXPERIENCE

Google – Quantitative UX Researcher (2019 - now)
Data scientist specifically working on user experience. Concentration on Google Suite, specifically Sheets

Via Transportation – Data Scientist (2016 - 2019)
Core supply-side optimization:
  Experiments. Stratified sampling to create necessary data quickly, cheaply
  Prediction/Optimization. **XGBoost, Neural Network, Integer program**
  Saved ~25% of driver promotion costs.

Fraud Detection:
  Modeling. **Hierarchical behavioral modeling** of drivers.
  Saved >1% of total driver pay.

Statistical Consultant/Grad. Research Assistant: Farsite Group, Columbus, OH (2013); Ohio State University (2011 – 2016)
Augmenting crowdsourced predictions
  Modeling. **NLP (word2vec), XGBoost**
  Improved predictions by 20%

EDUCATION

The Data Incubator: Selective (<5% accepted) data science bootcamp for PhDs. See my app: https://asinayev.github.io/policestopper/

Ph.D Quantitative Psychology: Ohio State University, 2011 – 2016.

BA Math & BA Psychology: Binghamton University, 2007 – 2011.

PHD RESEARCH

Applied NLP, Cognitive/Psychometric Modeling, Psychological experiments

Two first-author publications; >80 citations

SKILLS

Languages: Python, R, SQL, Russian ☺

Technical Skills: Version control. AWS : S3, Redshift, EC2, Mechanical Turk. Snowflake. Airflow.

Soft Skills: Strong writing skills. Presenting technical work to key non-technical stakeholders like PMs, C-suite. Leading and mentoring (mentored a junior data scientist, an intern).

SIGNIFICANT AWARDS

Computational Social Science Summit Datathon: 1st place (May 2015)

Ohio State University Graduate Research Forum: 1st Place (Nov. 2013)

HOBBIES

Accordion, Basketball, Crossfit