

Evgeni Chasnovski

Data scientist, machine learning engineer, R and Python developer

Kharkiv, Ukraine (UTC +2/+3)

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Skills

Data Science

- Pre-modeling** Problem statement, research design, data collection process, data preparation
- Modeling** Regression, classification, cluster analysis, time series analysis, basic image processing
- Post-modeling** Answer business questions, write automated reports, create R shiny prototypes, write targeted R packages

Programming languages and tools

- R** Advanced. Specifically: base, OOP, tidyverse, tidymodels, Rcpp, shiny, rmarkdown, testthat, and more
- Python** Proficient. Specifically: base, numpy, pandas, scipy, scikit-learn, matplotlib, pytest, and more
- SQL** Intermediate
- Git, Unix, CI** Proficient
- C/C++** Basic

Other

- Languages** Russian, Ukrainian (native bilingual), English (proficient), German (basic)

Projects

R

- pdqr** Package with extensive functionality for creating, transforming, and summarizing custom random variables.
- infer** Tools for tidy statistical inference. Extensively refactored and enhanced code base, which wasn't initially mine.
- ruler** Functionality for creating tidy data validation reports.
- comperank** Implementation of multiple algorithms for computing ranking and rating based on competition results.

Python

- randomvars** Scikit package for applied work with random variables.

Experience

Simcord LLC.

Kharkiv, Ukraine

Head of modeling division

2014-05 - Now

- Conducting a full research cycle based on the economic and client company data: from formulating a problem and building a sample to writing automated reports, creating software prototypes and solving specific business problems.
- Construction, formalization and software implementation of specialized mathematical models and algorithms to achieve key metrics during problem solving.
- Implementation of research and reports with fully reproducible programming code, mainly R and Python.
- Consultation for miscellaneous questions related to mathematics and data science in general, like applicability of various models and methods, correctness of data collection and research design processes, etc.

Simcord LLC.

Kharkiv, Ukraine

Mathematician

2013-09 - 2014-05

- Research of applicability of new mathematical methods for predicting specific time series.

Education

V. N. Karazin Kharkiv National University, School of Mathematics and Mechanics

Master's degree in applied mathematics and modeling

2008-09 - 2013-06

- Graduated with honors as school's best student.

Hobby

Go (board game), table tennis, open source development.