

Denis V. Kazakov, Junior Data Scientist

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An aspiring data scientist keen to grow professionally and use data to achieve business goals.

Skills

- **Machine learning:**
 - Regression: : linear, nonlinear (polynomial, spline), regularization (lasso, ridge)
 - Classification: logistic regression, KNN, SVM
 - Tree-based methods: random forest, boosting
 - Deep learning (CNN, RNN)
 - Cross-validation, bootstrap
 - Clustering
 - Data transformation (PCA, SVD)
 - Ensembles, pipelines
- **SQL**
- **Python** (NumPy, pandas, scikit-learn, Keras/TensorFlow, XGBoost, Matplotlib, SciPy, statsmodels)
- **R** (tidyverse, ggplot)
- **Git**
- **Linux** (bash)
- **Statistics:**
 - Hypothesis testing
 - Parametric and non-parametric methods
 - ANOVA
 - Multiple testing
- **Other** (Jupyter Notebooks, Google Colab, REST API)

Qualifications

Training for AWS ML Certification. Ongoing.

Data Science reskilling course (2022). Tomsk State University. Achievements:

- First to complete the course out of ~160 students
- As one of the top students, checked other students' final projects (normally done by staff)

Stepik courses (certificates): (statistics, Python, R, machine learning, SQL, Linux). Achievements:

- All courses were completed with distinction, ranking **among 1 to 6% top students**

[An Introduction to Statistical Learning with Applications in R](#)

[R for Data Science](#)

Diploma of higher education (equivalent of Master of Physics). Faculty of Physics, Moscow State University

Work Experience ([more info](#))

Study projects on the Data Scientist reskilling course (August–November 2022):

- Forecasting bank client churn
- Statistical analysis of usage of phrases in Google Books
- Prototype of a recommender system
- Prediction of Airbnb prices

Pet projects (2022). Examples:

- Training a neural network to distinguish between human translation and machine translation
- Recovering a function from a scanned plot
- Testing the validity of Zipf's law

Previous experience: [translator and interpreter](#).

About me

- Fluent in English (many years' experience as a professional translator and interpreter)
- Experience in inventing confirmed by patent grant RU 2 636 926 C2)