

# Egor Kudriavtcev

Data Scientist with 20+ years of programming experience, a strong background in Mathematics, Economics, Finance, Marketing, AI, and ML, shipping software and leading a remote team of developers.

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## EMPLOYMENT

(see more at [ekudr.info/employment](https://ekudr.info/employment))

### CATIGER STUDIO LTD | DIRECTOR & TECHLEAD

2022 – 2024 | London, Remote

- Full product life cycle: concept, development, publishing, support
- Led a team of 6 game developers and shipped a video game product

### OAS ENTERPRISES | FIXED INCOME ANALYST

2015 – 2016 | Moscow, Russia

- Fundamental analysis of high-yield corporate bonds
- Maintained the information system of the fund
- Initiative: Introduced auto-generated reports using Bloomberg Terminal and VBA for Excel

### STRATEGY PARTNERS GROUP | CONSULTANT

2014, 2015 | Moscow, Russia

- Applied econometric analysis (using Stata)
- Several completed projects as an Econometrician / Freelancer

## TEACHING

(see more at [ekudr.info/employment](https://ekudr.info/employment))

### THE SIMON BUSINESS SCHOOL | LAB INSTRUCTOR

2019 – 2020 | Rochester, NY

- Marketing Research, Marketing Analytics using R

### HIGHER SCHOOL OF ECONOMICS | LAB INSTRUCTOR

2013 – 2014 | Moscow, Russia

- Probability Theory and Statistics

### INTERNATIONAL COLLEGE OF ECONOMICS AND FINANCE | LECTURER & LAB INSTRUCTOR

2013 – 2014 | Moscow, Russia

- Advanced techniques in Excel & VBA scripts

### NEW ECONOMIC SCHOOL | LAB INSTRUCTOR

2013 | Moscow, Russia

- Financial Econometrics I & Financial Econometrics II

### STATE ACADEMIC UNIVERSITY FOR HUMANITIES |

LECTURER, LAB INSTRUCTOR

2012-2013 | Moscow, Russia

- Econometrics & Time-Series Econometrics

## PROJECTS

(see more at [ekudr.info/projects](https://ekudr.info/projects))

### REAL-TIME ONLINE EXPERIMENT SOLO PROGRAMMER

Made in Python with Django

- AWS hosted marketing simulation software
- 100+ real-time users on a single node

## EDUCATION

### UNIVERSITY OF ROCHESTER

PHD IN MARKETING (AI & ML)

2025 | Rochester, NY

### NEW ECONOMIC SCHOOL

MA IN ECONOMICS (FINANCE)

2013 | Moscow, Russia

### MOSCOW INSTITUTE OF PHYSICS AND TECHNOLOGY

MS IN APPLIED MATHEMATICS AND PHYSICS

2010 | Moscow, Russia

## SKILLS & TOOLS

### PROGRAMMING

★★★★★ Python	★★★★☆ C++
★★★★★ Julia	★★★★☆ MATLAB
★★★★★ C#	★★★★☆ Stata
★★★★★ R	★★★★☆ MS VBA
★★★★☆ Dart	★★★☆☆ JavaScript
★★★★★ Java	★★☆☆☆ Rust

### TECHNOLOGIES

Excel • Tableau • Linux KVM • AWS • Dot NET • HTML • WordPress • django • OpenGL • Unity3d • Irrlicht • jMonkey • json • XML • SQL • LaTeX • Bloomberg terminal

### LIBRARIES

keras • tidyverse • plotly • ggplot • stargazer • RSelenium • pandas • numpy • data.table • magrittr • linq • scipy • sklearn • feather • statsmodels • pyblp • foreach (R) • matplotlib • xgboost

### QUANTITATIVE METHODS

Linear Regression • Logistic Regression • Clustering • Instrumental Variables • General Method of Moments • Regression Discontinuity • Quasi-Random Experiments • Matching • Random Forest • Monte-Carlo Simulations • Bayesian Approach • Principal Component Analysis • Neural Networks • Support Vector Machine • Nearest Neighbors • k-means • Attribution Model • Deep Learning • Survival Analysis • Matrix Factorization • Singular Value Decomposition • Ensembling • Gradient Boosting