XENIA KASIANOVA

Data Scientist (Intern)

@ xeniakasianova@gmail.com   ✆ +7-985-441-8945   ⚲ Moscow, Russia   🔗 xenakas.github.io   ⬡ github.com/xenakas

EXPERIENCE

Junior Business Intelligence Programmer (Internship)
Первый БИТ

📅 Fall 2017   ⚲ Moscow, Russia

- Managed MySQL databases, analyzed business dynamics and created dashboards in QlikView and QlikSense.
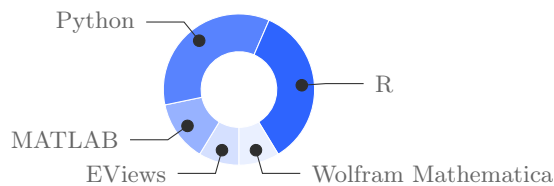
Mathematics & Economics Tutor
Self-employment

📅 Fall 2017 - ongoing   ⚲ Moscow, Russia

- Taught a course on Econometrics, Mathematical statistics, Probability theory, Theory of optimal control (Dynamic programming, Calculus of variations), Discrete mathematics, Microeconomics, Macroeconomics (in English) and Mathematical methods for economics.

PROGRAMMING SKILLS

Tools: Jupyter Notebook, LaTeX, git, bash, SQL, VBA.

Libraries:

- python: statsmodels, scipy, sklearn, scikit-learn, seaborn, nlp, tensorflow, requests, pyqt, pygame;
- R: dplyr, tidyverse, ggplot2, TSA, prophet, knitr, data.table, forecast, plm, zoo, broom, hts, doMC, xtable.

RESEARCH EXPERIENCE

📄 Stochastic Dynamic Programming Approach to Scarce Resources Management
2016-2018

📅 Prof. Mark Levin   ⚲ RANEPA, Moscow

- Solved optimal control problems of finding the optimal extraction path of exhaustible resource;
- simulated stochastic dynamic growth model using MATLAB.

📄 Forecasting Hierarchical Time Series
2018-2019

📅 Boris Demeshev   ⚲ RANEPA, Moscow

- Improved forecasts of an aggregated time series using optimal reconciliation approach;
- compared different regrouping techniques including k-medoids and HAC algorithms;
- wrote cross-validation function for three-level hierarchical data structures.

EDUCATION

Université Grenoble Alpes
B.A. in Economics (Faculté d'Économie)

📅 Fall 2015 - Summer 2019

GPA: 4.8 of 5.0

Russian Presidential Academy of National Economy and Public Administration
B.S. in Economics & Finance (Institute of Economics, Mathematics and IT)

📅 Fall 2015 - Summer 2019

GPA: 4.7 of 5.0

SKILLS

Data manipulation & visualization
Statistical & predictive modeling
Machine learning techniques
Risk analysis   Article review
Experimental research
Communication skills

STRENGTHS

🧍 Powerful orator
💝 Adaptable and flexible
🏆 Dedicated to perfection
📈 Quick learner

LANGUAGES

English (IELTS 2015)   ●●●●●
Russian   ●●●●●
French   ●●●○○

COURSES & TRAININGS

Economic and Financial Analysis
in Bloomberg Terminals

📅 Spring 2018   ⚲ RANEPA

Data Analysis & Machine Learning
in Python

📅 Fall 2018 - Summer 2019   ⚲ RANEPA

Applied Econometrics
in R

📅 Fall 2018   ⚲ RANEPA