

XENIA KASIANOVA

Data Scientist (Intern)

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Moscow, Russia

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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

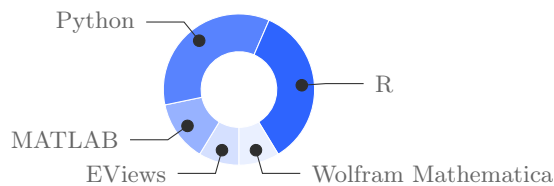
📅 Fall 2017 - ongoing

📍 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, L^AT_EX, 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

📅 2018 - 2019

📍 RANEPa

Applied Econometrics

in R

📅 Fall 2018

📍 RANEPa