

XENIA KASIANOVA

Data Scientist (Intern)

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Moscow, Russia

xenakas.github.io

github.com/xenakas

EXPERIENCE

Junior Business Intelligence Programmer (Internship)

Первый БИТ

📅 Fall 2017

📍 Moscow, Russia

- Managed MySQL databases
- Analyzed data and visualized business dynamics with QlikView and QlikSense

Mathematics & Economics Tutor

Self-employment

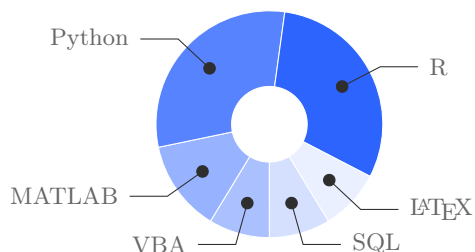
📅 Fall 2017 - ongoing

📍 Moscow, Russia

- Taught a course on Theory of Optimal Control (Dynamic Programming, Calculus of Variations), Discrete Mathematics, Macroeconomics(in English) and Mathematical Methods for Economics
- Successfully prepared students for SATs in Maths and English

PROGRAMMING SKILLS

Tools: Jupyter Notebook, Wolfram Mathematica, git, orange3



Libraries:

- Python: matplotlib, seaborn, nlp, pymc3, scikit-learn;
- R: dplyr, tidyverse, ggplot2, AER, TSA, prophet, knitr

RESEARCH EXPERIENCE

📄 Stochastic Dynamic Programming Application in Scarce Resources Management

2016-2018

📅 Prof. Mark Levin

📍 RANEPa, Moscow

- Solved optimal control problems of finding the optimal extraction path of exhaustible resource
- Analyzed stochastic dynamic growth model and simulated it using MATLAB

📄 Forecasting GDP Using Hierarchical Models and Clusterization

2018-2019

📅 Boris Demeshev

📍 RANEPa, Moscow

- Improved forecasts by regrouping time series in hierarchical models using clustering algorithms (k-means, RF, HAC)
- Addressed small sample problem with MCMC and bootstrap

EDUCATION

Université Grenoble Alpes

B.A. in Economics (Faculté d'Économie)

📅 Fall 2015 - Ongoing

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 - Ongoing

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

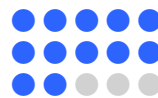
📈 Quick Learner

LANGUAGES

English (IELTS 2015)

Russian

French



COURSES & TRAININGS

Economic and Financial Analysis in Bloomberg Terminals

📅 Spring 2018

📍 RANEPa

Data Analysis & Machine Learning with Python

📅 Fall 2018

📍 RANEPa

Applied Econometrics with R

📅 Fall 2018

📍 RANEPa