

OLZHAS SHORTANBAIULY

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EDUCATION

Nazarbayev University

Fall 2018 - Spring 2022

B.Sc. in Mathematics

CGPA: 3.26 (out of 4.0)

Relative Coursework:

Mathematics: Calculus I-III, Differential Equations, Discrete Math, Real Analysis I, Abstract Algebra I, Advanced Linear Algebra, Numerical Methods, Linear Programming, Mathematical Finance

Statistics: Probability, Applied Statistical Methods, Mathematical Statistics, Regression Analysis (R), Stochastic Processes, Stochastic Calculus, Statistical Programming (Python)

Other: Programming for Scientists (C), Performance and Data Structures (C++), Machine Learning, Computational Physics (Python), Resource Economics and Project Valuation, Public Speaking

PERSONAL PROJECTS

Data analysis on different macroeconomic indicators of world countries

Asked and answered statistical research questions by performing statistical tests using SciPy and visualizing data using Matplotlib and Seaborn

Predicting wine quality from its other characteristics using multiple linear regression

Checked the model assumptions for multiple linear regression, performed remedial measures, applied weighted least squares and backward elimination

COURSES AND CERTIFICATIONS

Introduction to Python, Intermediate Python, Data Science R Basics

DataCamp

Introduction to Data Science in Python, Applied Plotting, Charting & Data Representation in Python, Applied Machine Learning in Python

Coursera

Communication skills and active listening in a project environment, Introduction to Anti-Money Laundering, The Power of Brands

PwC Central and Eastern Europe's Upskilling Academy

EXTRACURRICULAR ACTIVITIES

SIAM Student Chapter

October 2019 - August 2020

Member of the HR and Academic Departments

- Organized Midterm nights on Differential Equations, volunteered in NU Open House Day and NU PI day

CoronaNet Project

August 2021 - December 2021

Volunteer Research Assistant

- Researched and created a comprehensive overview of government policies enacted in Kazakhstan as well as collecting and entering new and updated policy information related to COVID-19.

PERSONAL SKILLS

Languages

Kazakh (native), Russian (native), English (proficiency) - IELTS 7.5

Programming languages

Python, R, C++, GNU Octave, SQL (basics)

Software

Excel, Word, Power Point, Latex, Google Drive, Zoom, Github

Interests

Statistics, Stochastic Analysis, Data Science, Finance