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GitHub /TheGreatRico

EDUCATION

Fundamental Informatics and Informaiton Technologies

People's Friendship University of Russia (RUDN University)

2023 - Present

Applied Mathematics and Informatics

People's Friendship University of Russia (RUDN University)

2019 - 2023

Interpreter for Engineering Fields and Specialties (English to Russian)

People's Friendship University of Russia (RUDN University)

2019 - 2023

LANGUAGE

English(C1+)

HARD SKILLS

Python

SQL

Statistics

Bash

C/C++

TOOLS/LIBRARIES

Pandas   Numpy   Seaborn   Keras

Scikit-learn   Time series   Git   OOP

A/B testing   Jupyter   NLP   Pytorch

PROJECTS

Prediction of Tomato Market Price using time series

https://github.com/TheGreatRico/time-series-prediction

Comparison of various methods for time series prediction using lagging, target encoding, deseasoning, trending. Models used: Linear Regression, Lasso and Ridge Regressions, (S)ARIMA, Prophet, XGBoost and LSTM.

The goal of the project is to gain skills in processing and predicting time series

Natural Language Processing (NLP)

https://github.com/TheGreatRico/nlp

In the project Word2Vec model was used to create a model from scratch and then pre-train it on a text of a different topic. Second part utilized the pre-trained GloVe model to compare the performance of classical, convolutional and LSTM neural networks.

The goal of the project is to develop an understanding of the specifics of working in the field of NLP.

Coursework: BigNum Arithmetic implementation

https://github.com/TheGreatRico/BigNum

Arbitrary-precision arithmetic or BigNum Arithmetic is commonly used in cryptography. This implementation BigNum Arithmetic is based on *Karatsuba's algorithm* for fast multiplication. The whole project utilises OOP paradigm to build robust, bug-free, expandable and handy tool to work with arbitrary-precision arithmetic.

The goal of the project is to practice applying OOP paradigms and creating custom libraries