

Трушкова Екатерина Сергеевна

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Education

National Research University 'Higher School of Economics'

Faculty of Computer Science

Moscow, Russia

2023 - 2027

- Applied mathematics and informatics
 - Courses completed: Linear algebra and geometry, Discrete maths, Calculus, Algorithms and Data structures, C++, Python (Advanced), Probability Theory, Number Theory
 - Minor: Financial markets and Institutions
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Additional Education

1. NRU HSE, Introduction to data analysis 2 week practical training, 2024.
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Mini Projects

Practical work learning linear regression

<https://colab.research.google.com/drive/1vWj0GSx7XNMvmsR4dVt1ZzCkIDElo2EK?usp=sharing>

- Model training
- Use L2 regularization

Practical work Singular value decomposition and its applications

<https://colab.research.google.com/drive/1tuNaZxbs7Gc-Y74YdE6GwYYQZ63lc2l1?usp=sharing>

- Building a low-rank approximation
- Visualization using SVD

Introduction to data analysis

<https://colab.research.google.com/drive/1rz2y25nkjsm--TI8x2NlpeoEQupjCspE?usp=sharing>

https://colab.research.google.com/drive/17ewrai30zam9M1Nq70Y0nQuKF_4jLR0n?usp=sharing

- Exploring modern data analytics tools
 - Gain experience in solving analytics cases of varying complexity
 - Using statistical tests and hypothesis testing
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Skills

- **Languages:** Russian, English (B1)
- **Programming:** Python, C++
- **Python libraries:** Seaborn, Pandas, Scikit-learn, Numpy, Matplotlib, SciPy, Pathlib, Threading