



Southern Federal University

You're about to discover a very special place!

A leading Educational and Research Center is waiting for new, prospective and creative students.

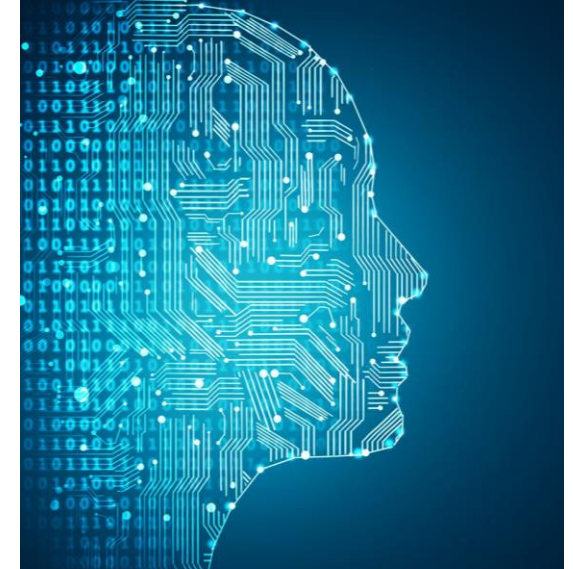
We offer a world-class education on competitive terms.

Institute of Mathematics, Mechanics and Computer Sciences
Southern Federal University
Rostov-on-Don

To a prospective student

Financial Mathematics and Machine Learning

The program is designed to train students in both practical and theoretical sides of machine learning. The potential applications will be focused around computational finance. The aim of the program, which integrates IT, mathematics, and finance, is to introduce students to the modern problems of machine learning and financial mathematics as well as to present methods, suitable for dealing with these problems.





Master in Financial Mathematics and Machine Learning

- ✓ 2-year program
- ✓ English-taught program

Among the Basic and Special Courses we offer:

- ✓ Machine learning: mathematical basis
- ✓ Financial mathematics
- ✓ Selected topics in probability and statistics
- ✓ Computer technologies
- ✓ Modern optimization methods
- ✓ Research seminar

Program structure:

- ✓ Training courses
- ✓ Research Seminar
- ✓ Project activity module
- ✓ Pre-graduation practical training
- ✓ State final certification



Grigory I. Beliavsky, Doctor of Technical Sciences, Director of the Program

Research areas:

- Machine learning
- Computational finance
- Mathematical modelling and data analysis.

Admission requirements

A candidate must:

- hold a Bachelor's degree;
- be comfortable with undergraduate-level mathematics: Mathematical analysis, Linear algebra, Probability and statistics;
- have a level of English proficiency equal to or above B1.

Work paths and future careers

Upon completion of the master's program, you will be equipped to pursue a career in data science departments of:

- banks
- financial companies
- consulting companies.

Discover the value of TR program

It is important to understand the whole picture of the cost of your education (inquiry needed):

- Tuition,
- Room and board,
- Other Fees.

Contacts

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Do you need to know more?

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