**NATIONAL RESEARCH UNIVERSITY
HIGHER SCHOOL OF ECONOMICS**

Faculty of Computer Science

PORTFOLIO CONTENTS AND ASSESSMENT CRITERIA

**for foreign citizens, applying to the
educational master's degree program
«Machine Learning and Data-Intensive Systems»**

Master's Programme Academic Supervisor

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List of documents for passing the entrance exam in the form of a competitive selection (portfolio) for foreign citizens entering in a separate competition, and criteria for evaluating the portfolio

Educational master's degree program «Machine Learning and Data-Intensive Systems»

Portfolio section	Comments	Maximum number of points
Math and Programming Exam	Scoring scheme: primary score (out of 100 points) * 0.9	90
Motivation letter	Primary score (out of 10 points). A motivation letter is a text document (docx, pdf) with a volume of 1-2 A4 pages in Arial/Times New Roman 12 font (a slightly smaller or slightly larger volume is allowed). No additional documents need to be attached to the letter of motivation. The motivation letter should disclose in free form the following aspects: - student's education: what and where he studied in the bachelor's degree / specialty, what additional courses / programs he may have taken. - a story about current employment, if any: where and by whom he works, what tasks he performs at work (if it is possible to disclose); whether he plans to work in the next two years, if he does not work now. - motivation for admission to the master's program «Machine Learning and Data-Intensive Systems» Why did you decide to enroll in our program? What areas of IT development are you interested in? What do you want to learn from the program? What are your goals at the end of the program? (career advancement, change of career path, research and admission to graduate school or a scientific laboratory, and so on). - are you ready to spend 20-30 hours a week studying on the program? How do you assess the time you are willing to spend on training? - what are your strengths and weaknesses in mathematics, data analysis, and programming? Tell us in more detail what you think is necessary (this may be «I know mathematical analysis well, but I'm not strong in linear algebra» or «I have many years of experience developing in Python, but I forgot my math», and so on).	10

Assessment criteria for motivation letter

A letter of motivation is independently evaluated by two people (reviewers) - a representative of the program-on the following points:

1. The motivation letter should contain a text that reveals all the points listed above - 4 points.

2. The letter should contain motivation and willingness to study at the program, as well as a story about the availability of relevant knowledge (it is enough to comment on the knowledge of higher mathematics sections in undergraduate/specialty courses, as well as minimal familiarity with any programming language) - 4 points.

3. The program office values students openness and engagement in the learning process, so share with us the most detailed relevant information about yourself in your motivation letter - 2 points.

Each reviewer gives a rating on a 10-point scale.

The final score for a motivation letter is the average score from two reviewers (without rounding).