



Certificate of Completion
of the Data Scientist plus
Professional Training Course

Aleksandr Sazonov has successfully completed the Data Scientist Plus professional training course at Practicum by Yandex (INO CPE "Yandex EdTech") – 610 hours.

Certificate number
20232DSP00002

Content covered in the course

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|-----|---|------|------|
| 1. | Python and Data Analysis Basics | 20 h | Pass |
| 2. | Basic Python | 30 h | Pass |
| 3. | Data Preprocessing | 35 h | Pass |
| 4. | Exploratory Data Analysis | 30 h | Pass |
| 5. | Integrated Project 1 | 20 h | Pass |
| 6. | Statistical Data Analysis | 20 h | Pass |
| 7. | Introduction to Machine Learning | 20 h | Pass |
| 8. | Supervised Learning | 20 h | Pass |
| 9. | Machine Learning in Business | 25 h | Pass |
| 10. | Integrated Project 2 | 20 h | Pass |
| 11. | Basic SQL | 30 h | Pass |
| 12. | Command Line and Git | 10 h | Pass |
| 13. | Project with Real Customers at "Workshop" | 30 h | Pass |

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| 14. | Big Data processing systems | 25 h | Pass |
| 15. | Linear Algebra | 20 h | Pass |
| 16. | Numerical Methods | 20 h | Pass |
| 17. | Project with Real Customers at "Workshop" | 30 h | Pass |
| 18. | Advanced SQL | 30 h | Pass |
| 19. | Models and algorithms in machine learning | 40 h | Pass |
| 20. | Integrated Project 3 | 20 h | Pass |
| 21. | Time Series | 15 h | Pass |
| 22. | Machine Learning for Texts | 25 h | Pass |
| 23. | Computer Vision | 25 h | Pass |
| 24. | Integrated Project 4 | 20 h | Pass |
| 25. | Graduation Project | 30 h | Pass |

Lyudmila Romash,
Representative by Power of Attorney
INO CPE "Yandex EdTech"



Sergey Brazhnik,
Director of
INO CPE "Yandex EdTech"



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