

Certificate of active participation

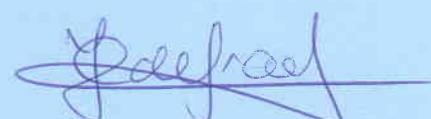
This is to certify that

Mr. Nurdaulet Malikov

has actively and productively participated in both online and on-location sessions in April 2025, focusing on

"Performing statistical analysis of student selection test results executed in R with the Dexter package."

Signed on behalf of Cito



Mrs. Anneke de Graaf
Project leader Selection Test
Cito International | CitoLab



The main goal of this analysis was to process test data and conduct statistical analysis of student selection test results conducted in 21 Nazarbayev Intellectual schools with provision of the following:

- Ranked lists of candidates according to their score in Mathematics, in Quantitative Reasoning and Natural Sciences.
- Ranked lists of candidates according to their total score on Selection test 2025.
- Performing Item Response Theory analysis in R with the Dexter package.
- Updating and checking psychometric parameters in the item bank administration.