

PEDAGOGY

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Using the cluster analysis method to evaluate the results of spatial development the thinking of the trainees

The use of the cluster analysis method to evaluate the results of the development of spatial thinking in students is investigated. It is shown that the application of such a method in practice will allow, firstly, at the initial stage to classify all participants taking into account the heterogeneous characteristics obtained from the results of evaluating the performance of exercises. Secondly, to verify the initial hypothesis about the different level of spatial thinking development among the participants. Thirdly, to analyze the composition of the obtained clusters in terms of identifying the factors that have the greatest impact on the probability of falling into a particular group.

Keywords: information, knowledge, skills, spatial thinking, cluster analysis method, evaluation of results, clustering.

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