**Belarusian State University   
Faculty of Mechanics and Mathematics  
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**Annotation to the diploma work  
"Programming realization**

**of cluster analysis"**

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The diploma paper contains:

* 16 pages;
* 1 table;
* 3 sources used.

Research object: K-means method

Objective: To create a program that allows you to manually set the number of clusters

Keywords: CLUSTER ANALYSIS, STATISTICS ALGORITHMS OF CLUSTER ANALYSIS, K-MEANS METHOD, CENTER OF THE CLUSTER, SIMILARITY MEASURE

This diploma paper reviews the statistics cluster analysis algorithm – k-means method – and the problem of determining the number of clusters. As part of this work Web program was established, that allows you to explicitly specify the number of clusters. In this program I used the following technologies: CSS, HTML, JavaScript.