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2. Denomination
Method of image forming at data intellectual analysis tasks
3. Specialty
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4. Employer
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<p>The aim of this work is improvement of effectiveness of decision-making processes in tasks of intellectual analysis by development methods of optimization the information sign space and improvements of the taxonomy tasks decision methods and shaping on base of these methods and algorithms the complex method directed to formalization, speedup and improvement validity of decision making.</p> <p>In work is offered new factor of quality of taxonomy, which is founded on л-compactness hypothesis and allows to improve the automation of taxonomy tasks decision.</p> <p>On base of the offered factor of quality, is worded criterion of quality and is designed taxonomy method, which results of the using provide 10-15% greater validity at the average, in the sense of adequacy got results and selective data.</p> <p>It is designed new method of image creating, which differs from the known approaches by presence specific stages for formalization of the process of the shaping information space sign in condition of the decision of taxonomy tasks and use the advanced method of taxonomy. Designed method was realized as a intellectual program system CLUSTER, which has shown high effectiveness at decision of the taxonomy tasks as separate problem of the data analysis and the other tasks, which require the decision taxonomy tasks. Adequacy of model data and sample data is 84-96%, economic effect from introducing the system – an incom increase on 15-18%.</p> <p>The keywords: taxonomy, cluster analysis, image creating, sign space, intellectual data analysis, decision-making support.</p>