

# **METHODS OF ATTRIBUTES REPRESENTATION IN DATA MINING PROBLEMS**

Summary – The paper contains the discussion of methods connected with attributes representation in the process of build data mining applications. The task of dimensions number reduction in the analyzed problem space was introduced and presents – the number of essential attributes, and standardization to generalized range variation. The main part of this work is description of the problems with attributes representation. This is connected mainly with necessity of continuous data discretisation in mining models which are dedicated for non - continuous data (discrete) as well as the continuous representation of discrete data in exacting this attribute type mining models. Competitive algorithms were introduced begin from simple „naive“ by more extending discretisation algorithms ascending, descending as well Fisher's discriminator. The place of methods use and evaluation due to separate criterion or curve the ROC was pointed. Based on examples the features of presented methods and algorithms were shown.