

ABSTRACT

Masters thesis: 62 p., 8 fig., 23 tables, 2 appendices, 14 sources.

DATA ANALYSIS, MUSIC, CLUSTERING, CLASSIFICATION, PREDICTION, LANGUAGE ANALYSIS, PYTHON.

The object of study is a set of data in the form of musical works as a set of characteristics and content of this data.

The purpose of the work is to analyze information about musical works, using data mining tools to cluster them by genre.

The paper analyzes the existing tools used in data analysis, identifies their main advantages and disadvantages, and proposes a method for clustering works. The architecture of the system that performs the given clustering is built. The proposed web interface architecture has been implemented.

In the future, it is recommended that you improve this diploma thesis by taking into account more characteristics of musical works and expanding the geography of research.