

5. CONCLUSION

In this paper, we introduce a novel approach to MIR, namely, using association analysis to help music genre classification. Association analysis looks for frequent patterns in music data, which represent the similarity of all music pieces in a given genre.

Through experiments, we demonstrate the effectiveness of our approach and confirm that association analysis can be applied to music data. However, there is still room for improvement, which includes feature extraction, feature selection and discretization. We believe that as they improve, our method will also improve. We can also take some immediate steps to improve our classifier by tuning the two parameters, minimum support for mining frequent items and the number of discretization bins. Our experiments demonstrate that these two parameters are directly related to the performance of our classifier, and they vary depending on the data. Hence, tuning these parameters to each specific dataset will improve the classification accuracy. We leave these to our future work.

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