INTRODUCTION

The musical genre nowadays can be very ample and, in some cases, creating discussions about what a person would consider it as only one particular kind of music. So, this kind of classification makes the machine learning algorithms to struggle in being able to analyse it correctly.

However, some new technologies like Genetic Algorithm Networks (GANs) and eXtreme Deep Factorial Machine (XDeepFM) could being manipulated to be used as a classification tool to help in this kind of problem, helping in identify correctly a particular kind of music focusing only in identify the most important genre of it.

CONCLUSIONS

This is still a work in progress, with constant analyses of the dataset and new state-of-art approaches. There are several work to be done yet, as showed in the results obtained so far.

GAN approach appears to be showing a good approach, but with some results that can be better analysed and improved. The next approach, XDeepFM is still in development and analyses. Some examples are up and running and needs to be changed to support the MSD dataset.

So far the results are as showed:

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REFERENCES


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