

Graph MuRec - Music Recommendation Using Graph Algorithms

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Abstract

- Description of music recommendation
- How graphs can help
- Output in a nutshell

1 Introduction

- Problem Statement
- What Graph algo were used
- Main contribution of the research

2 Background Work

- Past works on this idea
- Limitations
- Some Theory on Graphs

3 Methodology

- Dataset description
- MFCC feature extraction explanation
- Fine Tuning with Graph Algo
- Architecture of the simple MLP
- Metrics to evaluate (minkowski distance with different p)

4 Results

- Tables
- Charts
- Compare with baseline (MFCC with Graph Embeddings (Graph SAGE, Graph Convolutional Networks, Graph Transformer))

5 Conclusions

- Brief Summary of the research
- potential applications of this research
- possible improvements