Graph MuRec - Music Recommendation Using Graph Algorithms
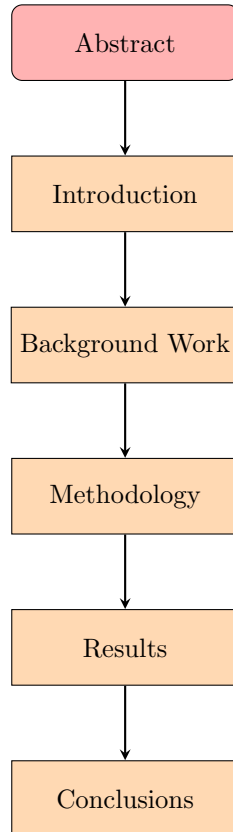
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1 Abstract

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

2 Introduction

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

3 Background Work

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

4 Methodology

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

5 Results

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

6 Conclusions

- Brief Summary of the research
- Potential applications of this research
- Possible improvements