

FACULTY OF ENGINEERING AND ARCHITECTURE



Assessing Quality of Unsupervised Topics in Song Lyrics

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How useful are topic models based on song lyrics for applications in music information retrieval?

•No guarantee for interpretable results •A thorough evaluation of the output required **Experimental Setup**

• Unsupervised Topic Model (LDA)

• Million Song Dataset': 237,662 song lyrics • Supervised Topic Model (Labeled-LDA):

•We introduce a framework for the large-scale assessment of topical relevance using supervised topics and alignment between unsupervised and supervised topics

• GreenbookofSongs.com': 9,261 manually annotated song lyrics (High Quality Topics)





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