

# Graduate School of Science and Technology Master's Thesis Abstract

Laboratory name (Supervisor)	Social Computing (Eiji Aramaki (Professor ))		
Student ID	2011311	Submission date	2022 / 1 / 19
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Thesis title	An Exploration on the Emotionality in Online Fan Communities of Different Music Genres		
Abstract			
<p>Music forms a big part of our identity and as such, people with a shared preference for certain kinds of music may also share similar traits.</p> <p>In this study, we explore differences in the emotional language of fan communities of different music genres.</p> <p>In focusing on Reddit, we analyze the comments on online community forums of different music genres using lexicon-based sentiment (emotion) analysis and a neural emotion detection model.</p> <p>Upon clustering Subreddit forums based on the emotion analysis results, we found that forums discussing genres like Rock, RnB, Blues, and Jazz were found to have a higher abundance of positively valenced emotions and a lower amount of negatively valenced emotions compared to forums discussing genres like Punk, and Rap, which had a lower amount of positively valenced emotions and a higher abundance of negatively valenced emotion.</p> <p>We found that the comments posted by the same user on different Subreddit clusters had significant differences in the amount of anger, disgust, fear, and joy being expressed.</p> <p>We observed a high correlation between counts in lyrics of a genre and counts in a fan community for the emotions of anger and joy.</p> <p>In sum, we found differences in the emotional language of fan utterances by genre, and these can be partially attributed to the emotions contained in the lyrics.</p>			