



Data Visualization

The Rhythm of Mental Wellness:

Exploring the Relationship Between
Music Preferences and Mental Health

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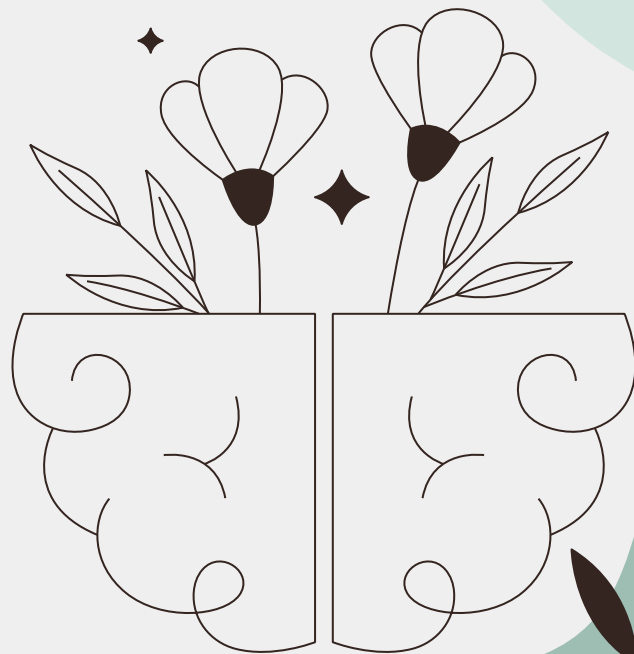


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Let's talk about Music!

- What's your favorite music genre?
- How does music influence your mood?
- Does it impact your mental health?

Music Therapy (MT) leverages music to improve stress, mood, and overall mental well-being by stimulating "happy" hormones like oxytocin.

Although MT includes diverse genres tailored to individual needs, questions remain about the specific impact of genre preferences on mental health.



Data Preprocessing

MxMH Survey Results

Kaggle link to the [dataset](#)

- Check for duplicate rows
- Check for the presence of null values
- Deal with null values
- Filter outlier values
- Generate descriptive statistics for categorical and numerical columns
- Understand dataset structure

Key Columns:

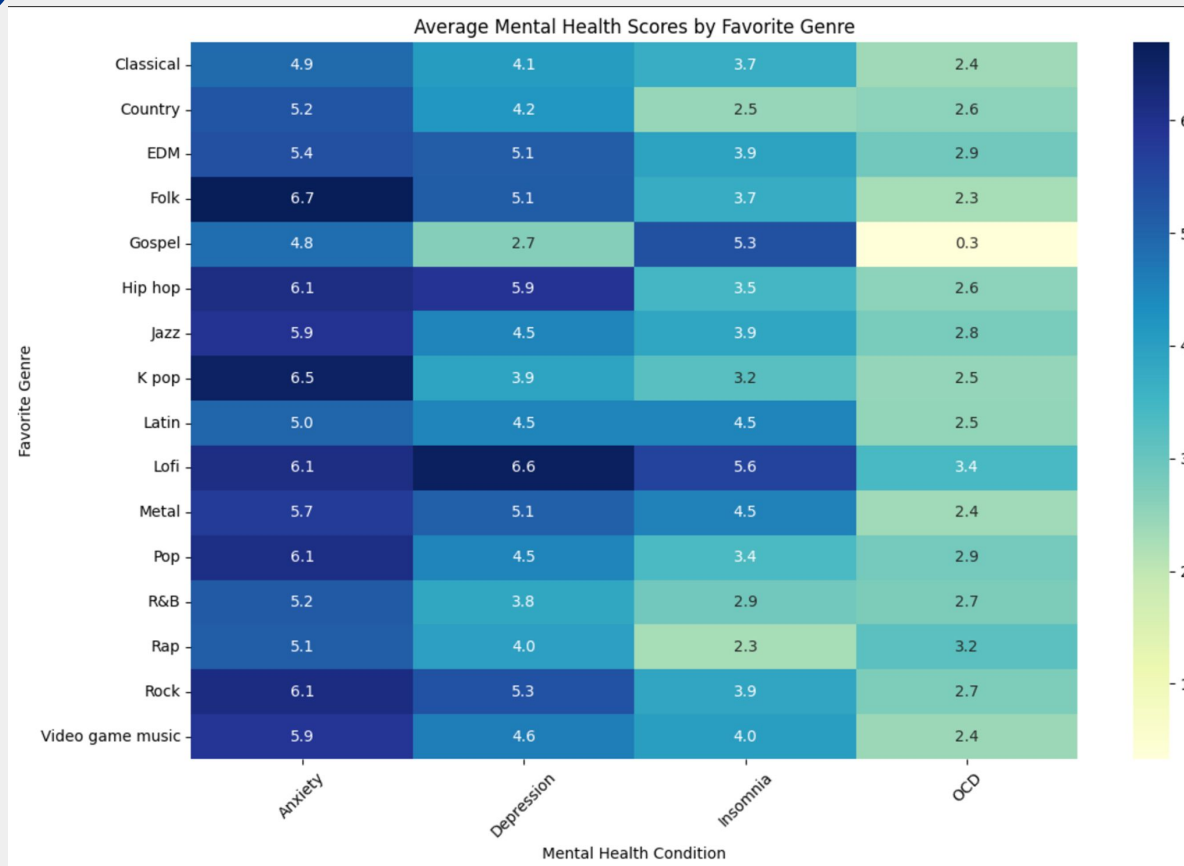
Primary streaming service; While working; Fav genre; Anxiety, Depression, Insomnia, and OCD; Music Effects



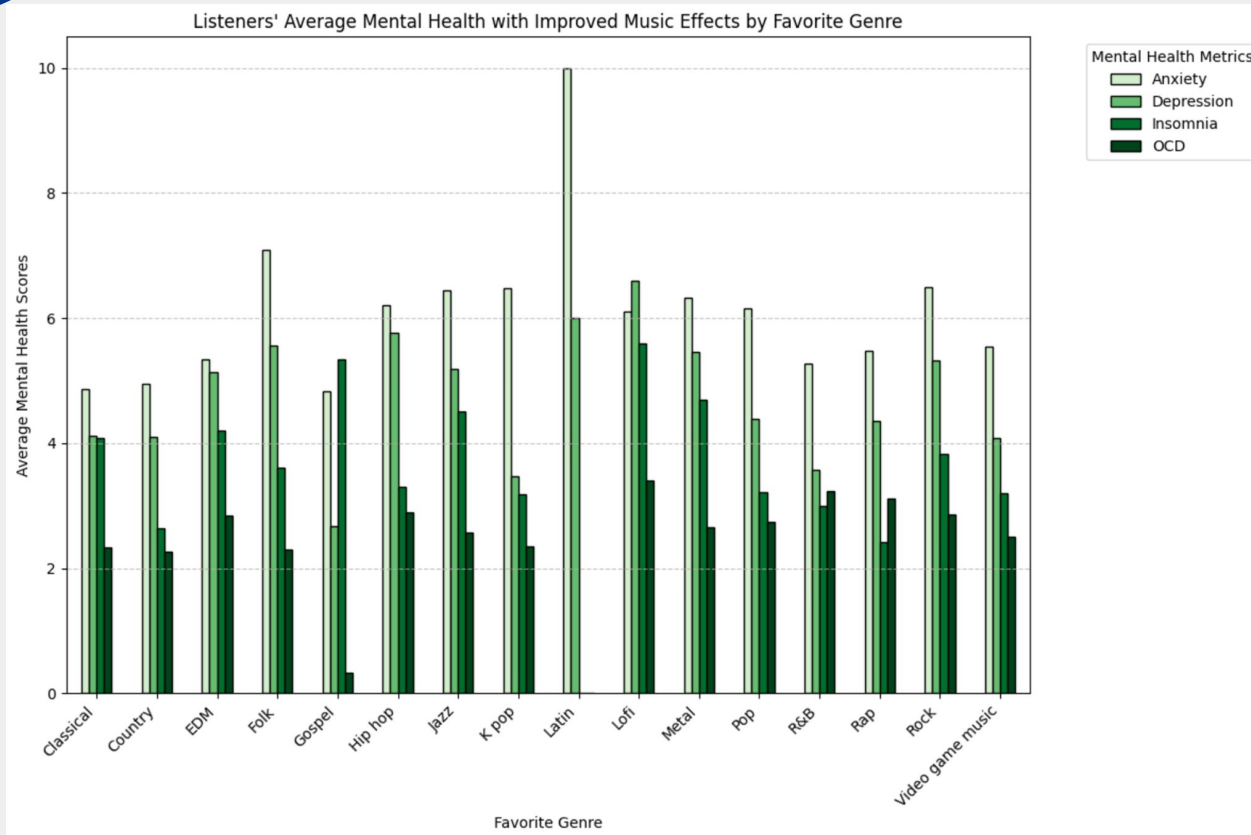
Exploratory & Explanatory Sections using Tableau



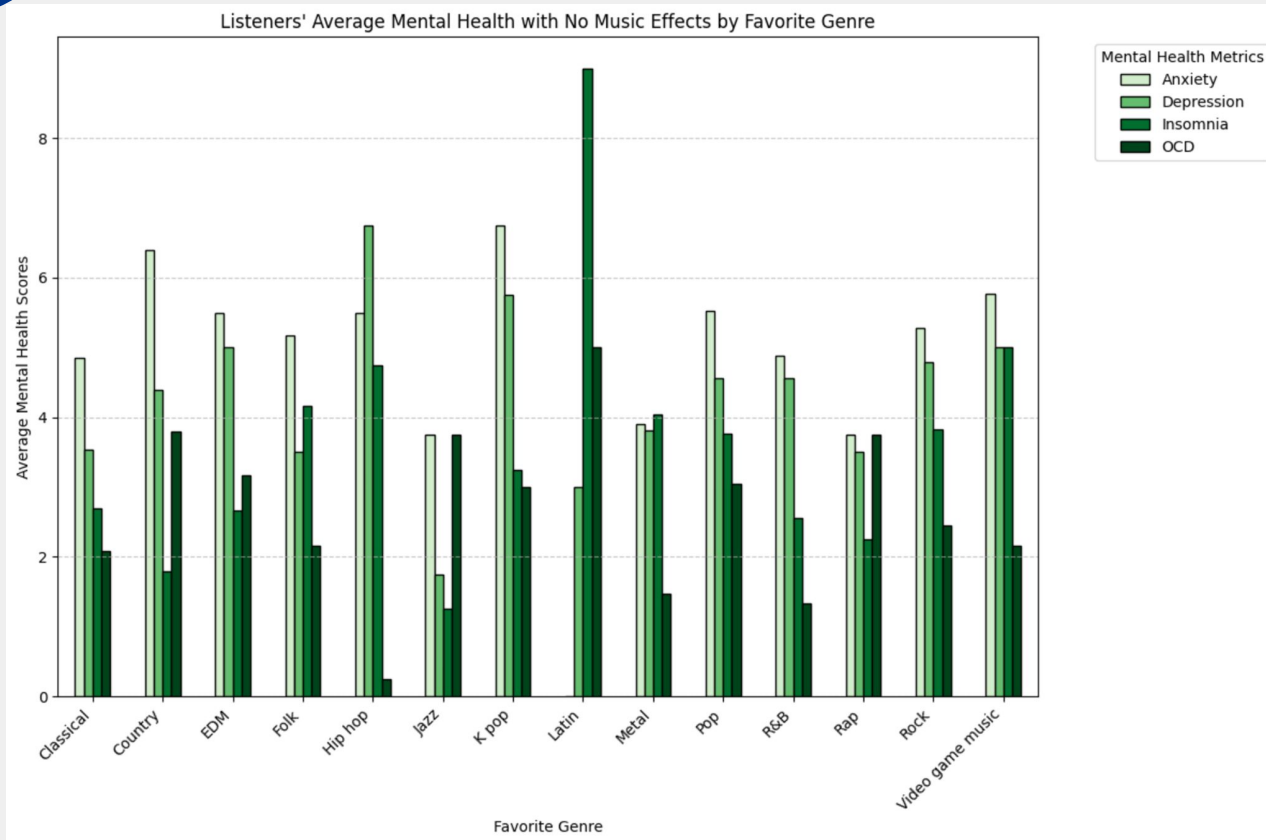
Some Extra Explanatory Visualizations Using Python



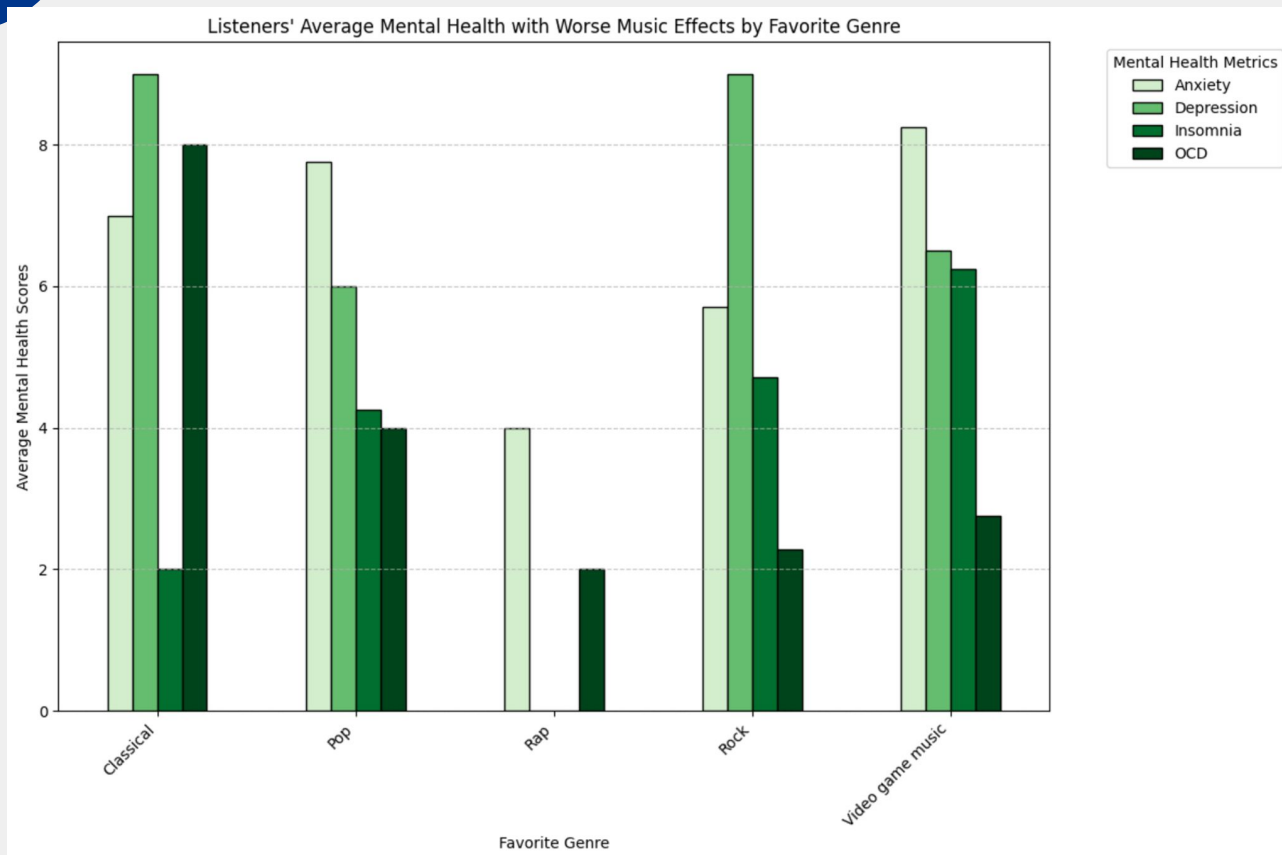
Ras Gaitis, Catherine. *MXMH Survey Results Dataset*. Kaggle. Available at: <https://www.kaggle.com/datasets/catherinerasgaitis/mxmh-survey-results>



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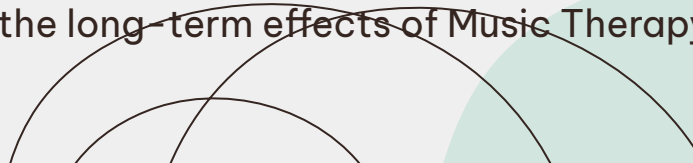


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Conclusion & Further Work



- This project explores the connection between music preferences and mental health, demonstrating music's therapeutic potential to regulate emotions, reduce symptoms, and promote well-being.
- The findings highlight the need for personalized approaches in Music Therapy, supporting data-driven strategies for mental wellness.
- Future work could focus on tracking mental health improvements over time to understand the long-term effects of Music Therapy.





THANK YOU!

Questions?

