

CFG Degree Data 2 Group 6 Project

Amy Minns, Autumn Wade, Isha Ibrahim, Isobel Wilson, Vilma Sinani, Wenjia Knight

Our Questions:



- Has the mood of music people in the UK listen to changed in relation to the Covid-19 pandemic timeline?
- Is there a correlation between the mental state of the UK population and the mood of music they choose to listen to?

Why did we choose these questions?



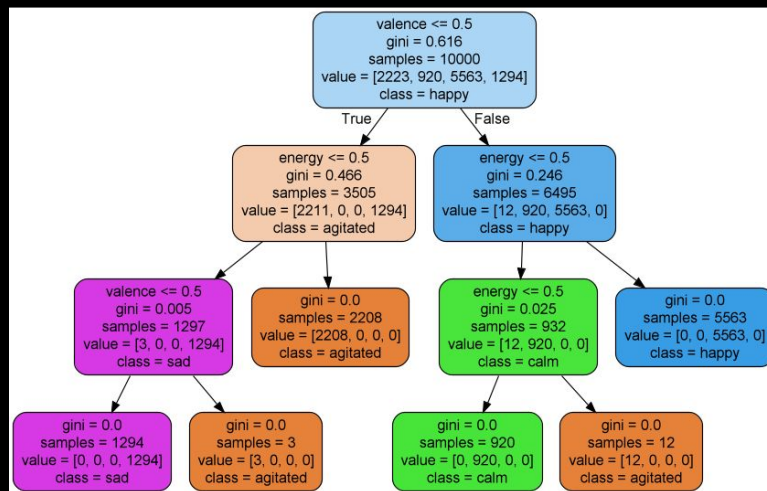
- Interest in the field of mental health
- Existing knowledge in this area
- Using datasets we knew we could find
- Uses an API that is reliable and easy to extract data from
- Takes advantage of the unique covid timeline we have witnessed

Who could use the results of our project?



- NHS could use this to predict where future resources would be better utilised.
- Broader uses in mental health charities , Mind etc.
- Apps like Better Help or other mental health improvement apps.
- Emotion data is seen as the next big thing. Businesses could gain an insight into a consumer's emotional state and tailor their marketing to it.
- Record companies could use this to gain an insight into what moods of music are popular at what times of year to get better engagement with new releases.

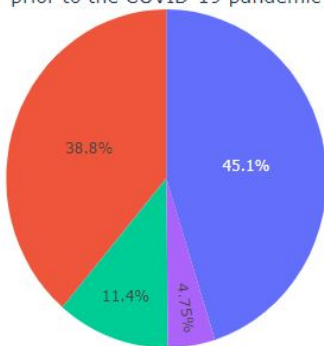
Where did you get your data?



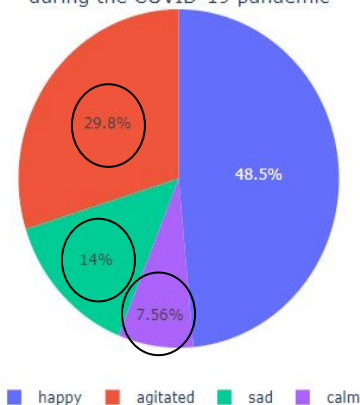
Our Findings: Has the mood of music people in the UK listen to changed in relation to the Covid-19 pandemic?

Distribution of mood in most streamed tracks

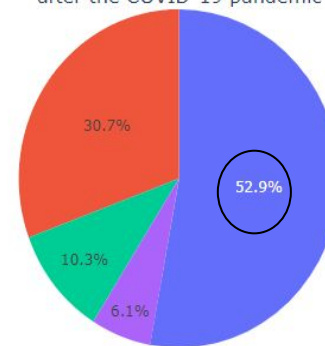
prior to the COVID-19 pandemic



during the COVID-19 pandemic



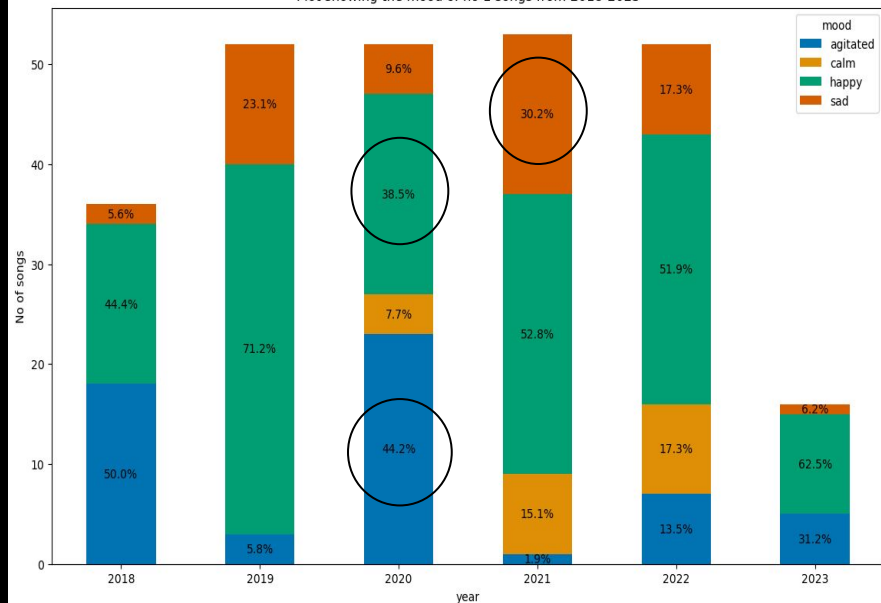
after the COVID-19 pandemic



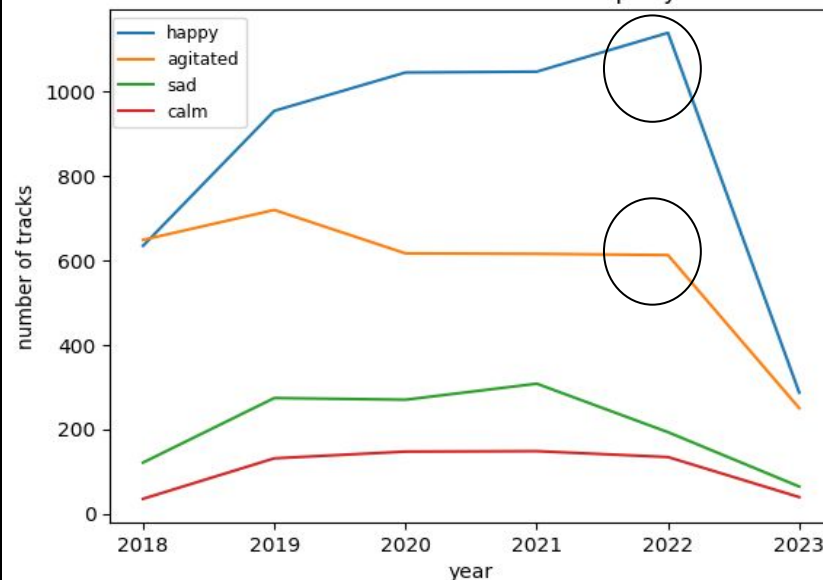
■ happy ■ agitated ■ sad ■ calm

Our Findings: Has the mood of music people in the UK listen to changed in relation to the Covid-19 pandemic?

Plot showing the mood of no 1 songs from 2018-2023



Number of tracks of each mood per year



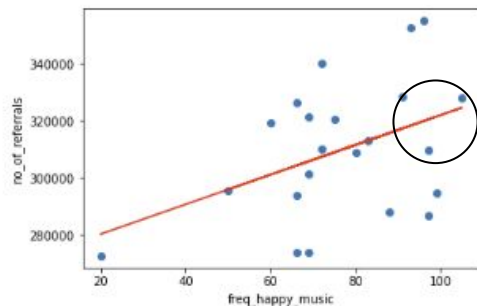
Our Findings: Is there a correlation between the mental state of the UK population and the style of music they choose to listen to?



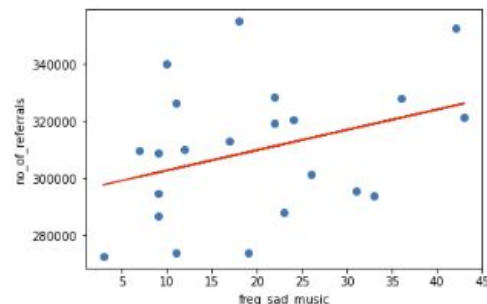
G6

Autumn Wade
Amy Minns
Isobel Wilson
Isha Ibrahim
Vilma Sinani
Wenjie Knight

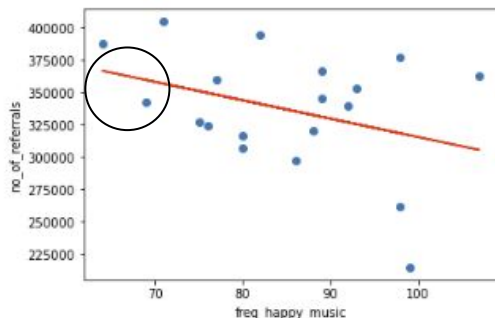
correlation between happy music hearing and num of mental health referrals- pre-pandemic



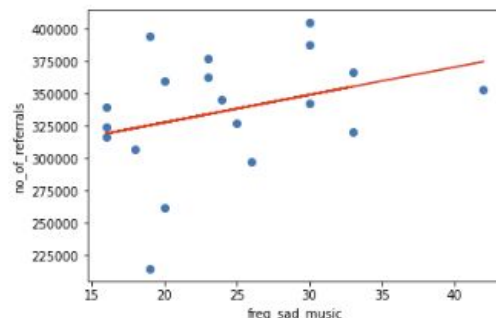
correlation between sad music hearing and num of mental health referrals- pre-pandemic



correlation between happy music hearing and num of mental health referrals- pandemic

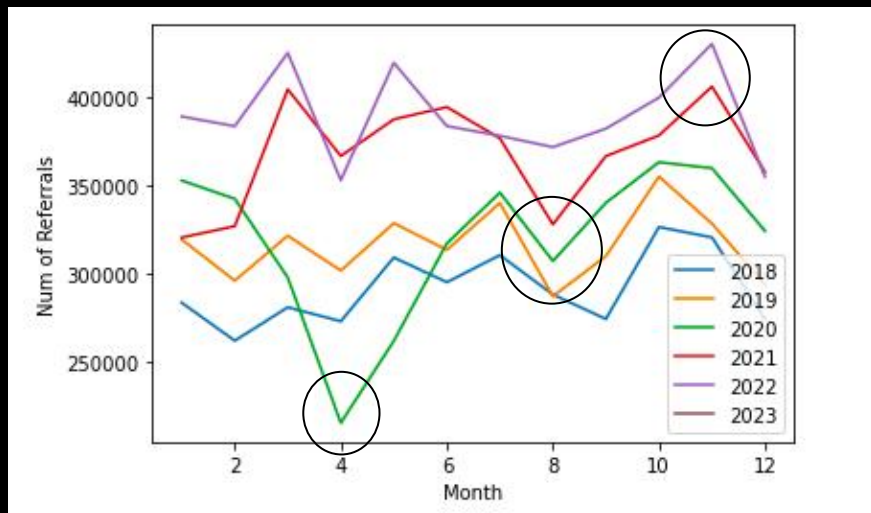


correlation between sad music hearing and num of mental health referrals- pandemic



External Factors

- Seasonal effect on mental health services.
- When the first lockdown happened (month 4 of 2020) there was a steep drop in the number of referrals.
- Doesn't follow the seasonality as well as it used to in 2018/2019.



To conclude...

- Our results are limited but do show some trends.
- If we were to expand this project further we would ;
 1. Increase our data sizes, more data points would help establish findings more conclusively and the data would therefore be less sparse.and the data would therefore be less sparse.
 2. Include more mood classes, four mood classes is not really enough detail to describe all music tracks.



And because someone will ask.....



One of the saddest scoring songs in our dataset - Jaded by Miley Cyrus

One of the happiest scoring songs - Feliz Navidad by Jose Feliciano

One of the calmest scoring songs - Thank you Baked Potato by Matt Lucas

One of the most agitated scoring songs - Obey by Bring Me The Horizon/Yungblud