

Using Spotify Song Features to see why Frank Turner is so Entertaining

Why is Frank Turner's music so enjoyable?

Questions:

What kinds of features are prominent in his music?

Can his style changes over time be see in the audio features?

What songs stick out from the rest?

Steps:

I used Generalized Spotify Analyzer (GSA) to download all of the audio features from a playlist of all of Frank Turner's studio albums from the Spotify API

Next up I removed unnecessary columns and replaced the 'Release Year' column with the album name

After doing some preliminary looking I chose 4 main features: Popularity, Energy, Valence (positiveness), and Danceability

These were each scatterplotted against the rest of the features and colored by album to look at trends over time

What interesting trends were found!?

Song Popularity

- There are a few plots that have outliers that squish the data together, mainly in speechiness and liveness
 - The speechiness outlier is a song called 'English Curse' which isn't spoken but is sung a cappella
 - The two liveness outliers are songs that were recorded live even though these are studio albums
- The popularity doesn't seem to have a strong correlation with any individual feature
- It is interesting to look at the sub trends by album
 - The album 'Be More Kind' (yellow) is an interesting example
 - In general it is more popular overall than the other albums
 - This album appears to correlate against energy and loudness more than the others, the more the better!

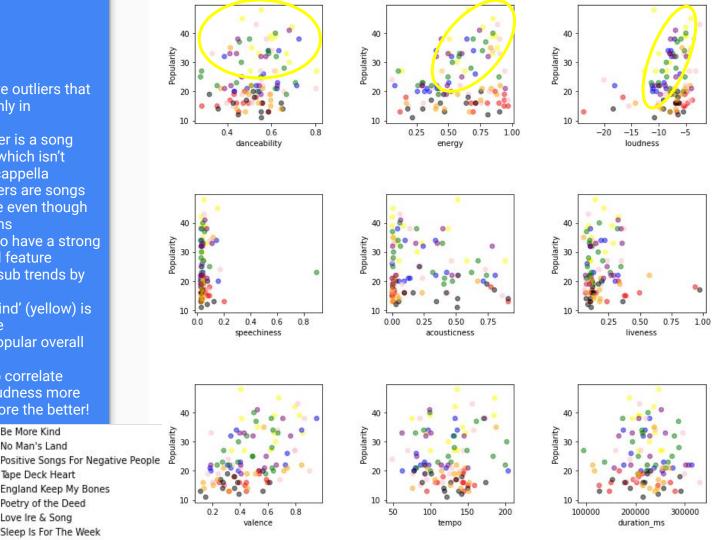
Be More Kind

No Man's Land

Tape Deck Heart England Keep My Bones Poetry of the Deed

Love Ire & Song

Sleep Is For The Week



Song Energy

- The strongest correlation between any of the sets of features is between energy and loudness
- It's a little surprising that there is only a loose positive correlation between energy and tempo, faster doesn't necessarily mean more energy
- It is not surprising at all that there is a strong negative relationship between energy and acousticness, I would expect the same with speechiness if it weren't for the outlier

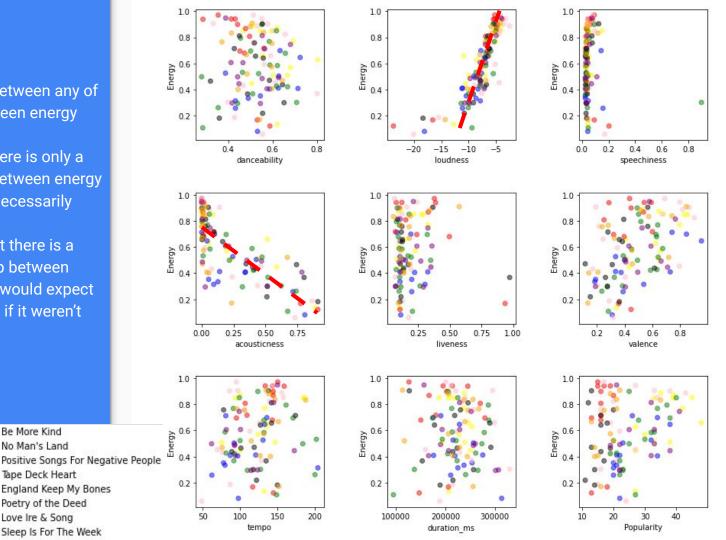
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Danceability

- Danceability is all over the place compared to the other features.
- There is a negative relationship with tempo, the faster songs are less danceable
- Interestingly the song with the most danceable music is 'Common Ground'
 - This song wouldn't have come to mind for me personally but relistening I understand it. It has a steady beat and keeps adding layers of melody
 - Looking at all the plots it is kind of an outlier compared to other features. It's not overly popular and even though it has a very positive message the music has a low valence

Be More Kind

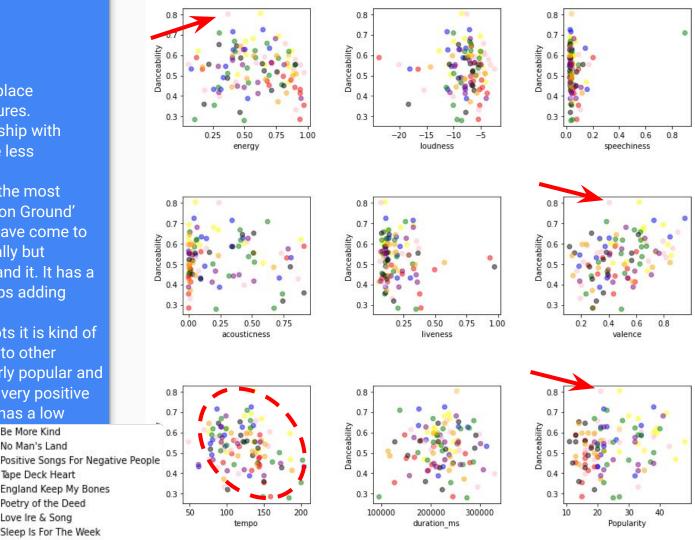
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Valence

- According to the Spotify API, valence is a measure describing the musical positiveness conveyed by a track. Tracks with high valence sound more positive (happy, cheerful, euphoric)
- This is a perfect description of a lot of my favorite songs, they are just happy sounding
 - The highest valence song is called 'Sister Rosetta' and is a great example of what a high valence song sounds like
- When looking at individual album trends it is interesting that there isn't just one album that stands above the rest in valence, they are all pretty varied
 - And it's a little funny the album 'Positive Songs for Negative People' is just middle of the pack

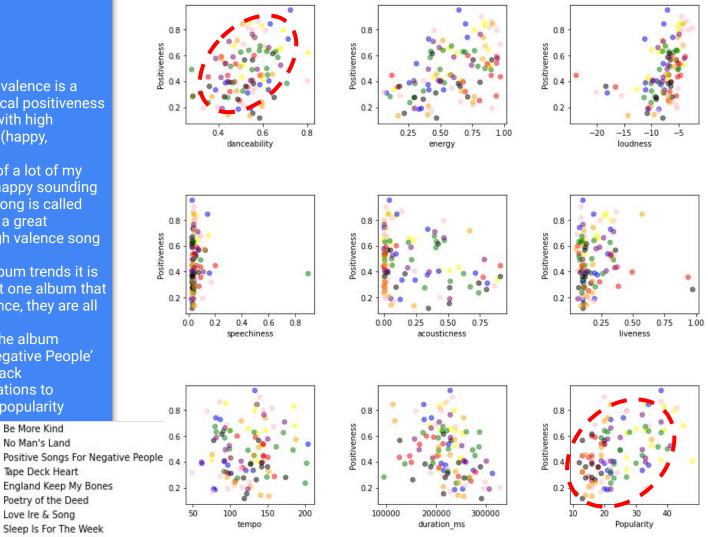
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The two most positive correlations to valence are danceability and popularity



Conclusions

Frank Turner's music tends to be happy sounding and be very danceable and just puts you in a good mood

"But when you're out there floundering

Like a lighthouse I will shine

Be more kind my friends

Try to be more kind"

Frank Turner, 'Be More Kind'

