



Playlist Generator

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Our prototype:

**6 distinctive
playlist
categories**

Feelgood Frequencies

- #1 I Need Your Love - Calvin Harris
- #2 Rebel Rebel - David Bowie
- #3 Everlasting Love - Love Affair
- #4 The Potter's House - Gerard & Jovaun
- #5 There Must Be An Angel - Eurythmics



Groovy pop blend

- #1 Symphony - Clean Bandit
- #2 Waiting for Love- Avicii
- #3 A World Without Love - Peter & Gordon
- #4 Low - Flo Rida
- #5 You Ain't Seen Nothing Yet - Bachman Turner Overdrive



Study Focus

- #1 2 Melodies, Op.3 II Andante - Anton Rubinstein
- #2 Symphony Nr. 7 - Ludwig van Beethoven
- #3 Search For Peace - McCoy Tyner
- #4 Young And Foolish - Bill Evans
- #5 Violao Vadio - Raphael Rabello

A vibrant, stylized graphic with the text "BARS & BEATS" in large, bold, colorful letters. The background features a brick wall, a microphone, a vinyl record, a keyboard, and various musical instruments and equipment, creating a dynamic and artistic representation of hip-hop and music production.

- #1 We Fly High - Jim Jones
- #2 Gravel Pit - Wu Tang Clan
- #3 Hustlin' - Rick Ross
- #4 Woah - Lil Baby
- #5 American Boy - Estelle



- #1 Decomposed - Gorefest
- #2 Certified...? - Benediction
- #3 Troops Of Doom - Sepultura
- #4 Deicide - Deicide
- #5 Embalmed Alive - Mortician

THUNDEROUS RIFFS



Death metal essentials

- #1 Chopped in Half - Obituary
- #2 Signal - Fresh
- #3 Inhuman Condition - Massacre
- #4 The Secrecies Of Horror - Pestilence
- #5 Throne Of Fire - Altar



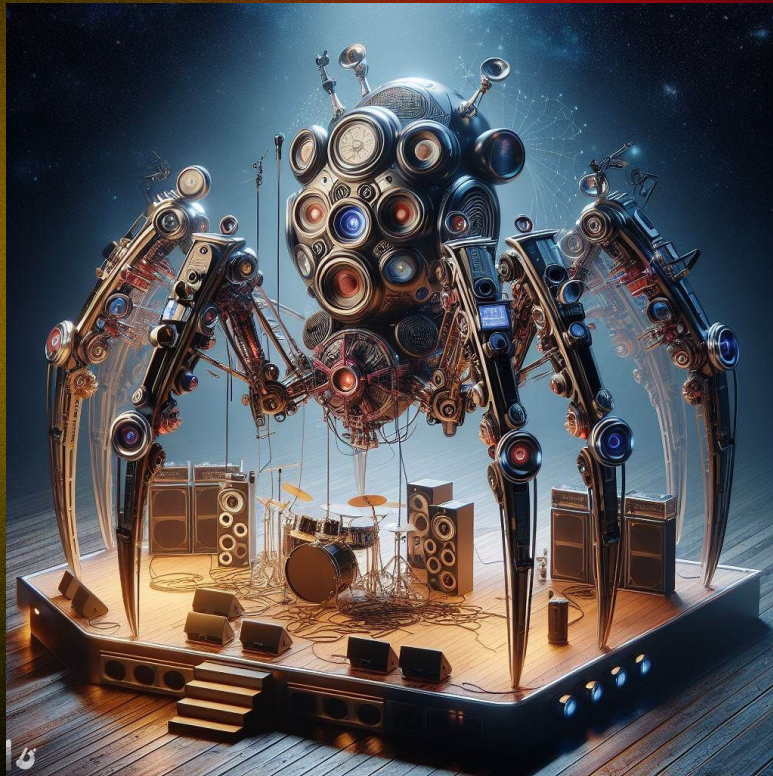
What we did

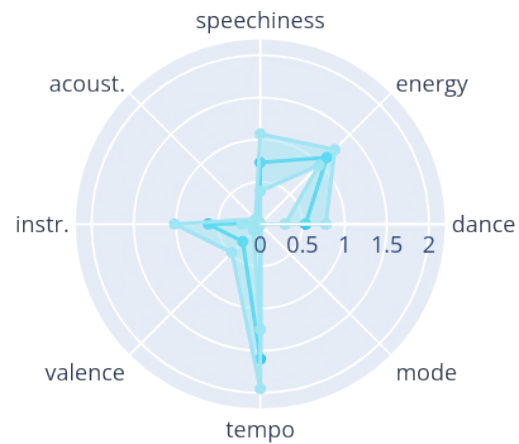
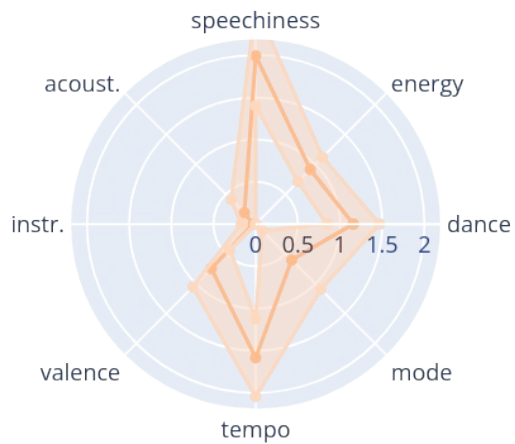
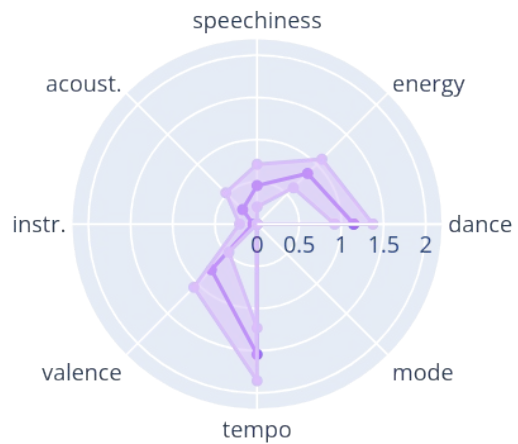
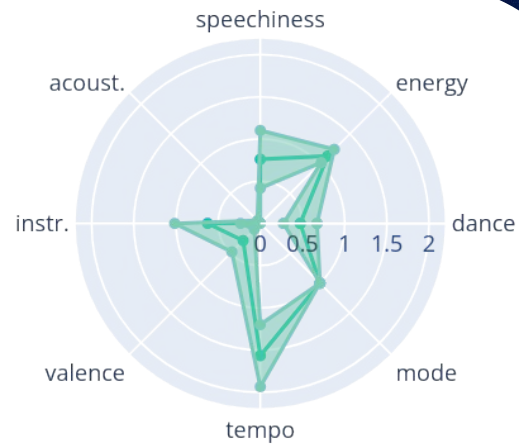
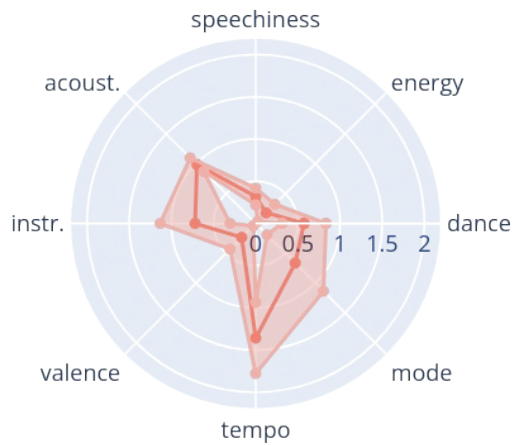
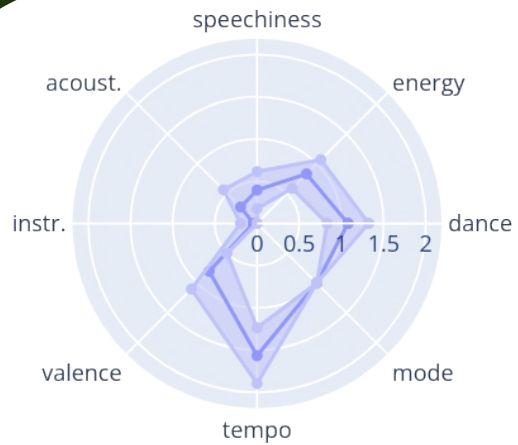
- Cleaned data
- Removed general meta-data
- Ignored *key*
- Ignored *time signature*
- Ignored *liveness*
- PCA reduction
- K-means clustering
- Characterization of cluster metrics

Moosical Spiders



Moosical Spiders





Next steps: Refinement

The playlist clusters are distinctive, but:

1. Selections from each cluster needed to form playlists of 50-100 songs
2. There are still songs combined in a list that, by a human selection, based on genre, artist or experience would not belong there

Refinement strategies to test:

1. Exclude songs from artists that are over-represented
2. A second run of K Means with each cluster to create subgroups

Thanks!

Do you have any
questions?

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