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COMPARING PLAYLIST: EXPLORING FEATURES THROUGH SPOTIFY API



FEATURES - EXPLANATION



Energy

Represents a perceptual measure of intensity and activity.

Typically, energetic tracks feel fast, loud, and noisy, while a Bach prelude scores low on the scale.

Values:

0.0 is low energy
1.0 most energetic.



Speechiness

Detects the presence of spoken words in a track.

Values:

0.33 - 0.66 music and speech
0.66 tracks probably made it of spoken words
1.0 speech-like

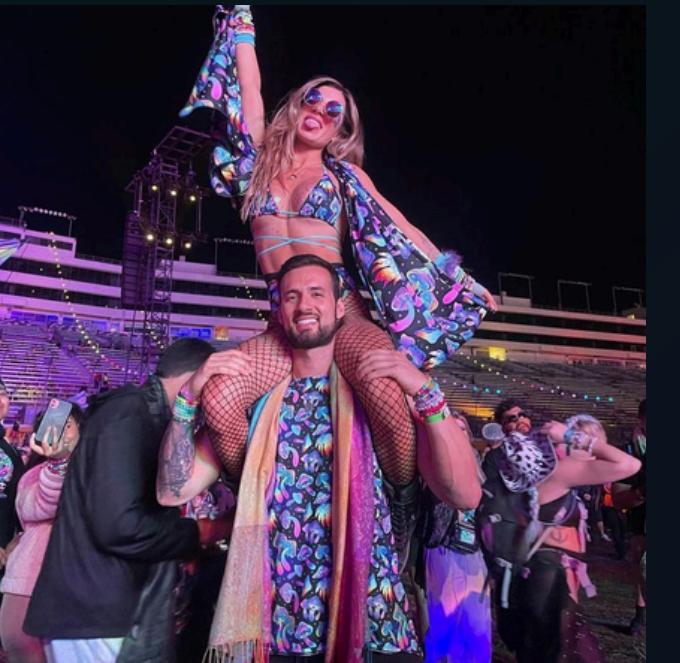


Danceability

Describes how suitable a track is for dancing based on a combination of musical elements like tempo, rhythm stability, etc.

Values:

0.0 is least danceable
1.0 is most danceable.



Instrumentalness

Predicts whether a track contains no vocals.

Values:

0.5 or less intended to represent instrumental tracks
1.0 most likely not contains vocal content.



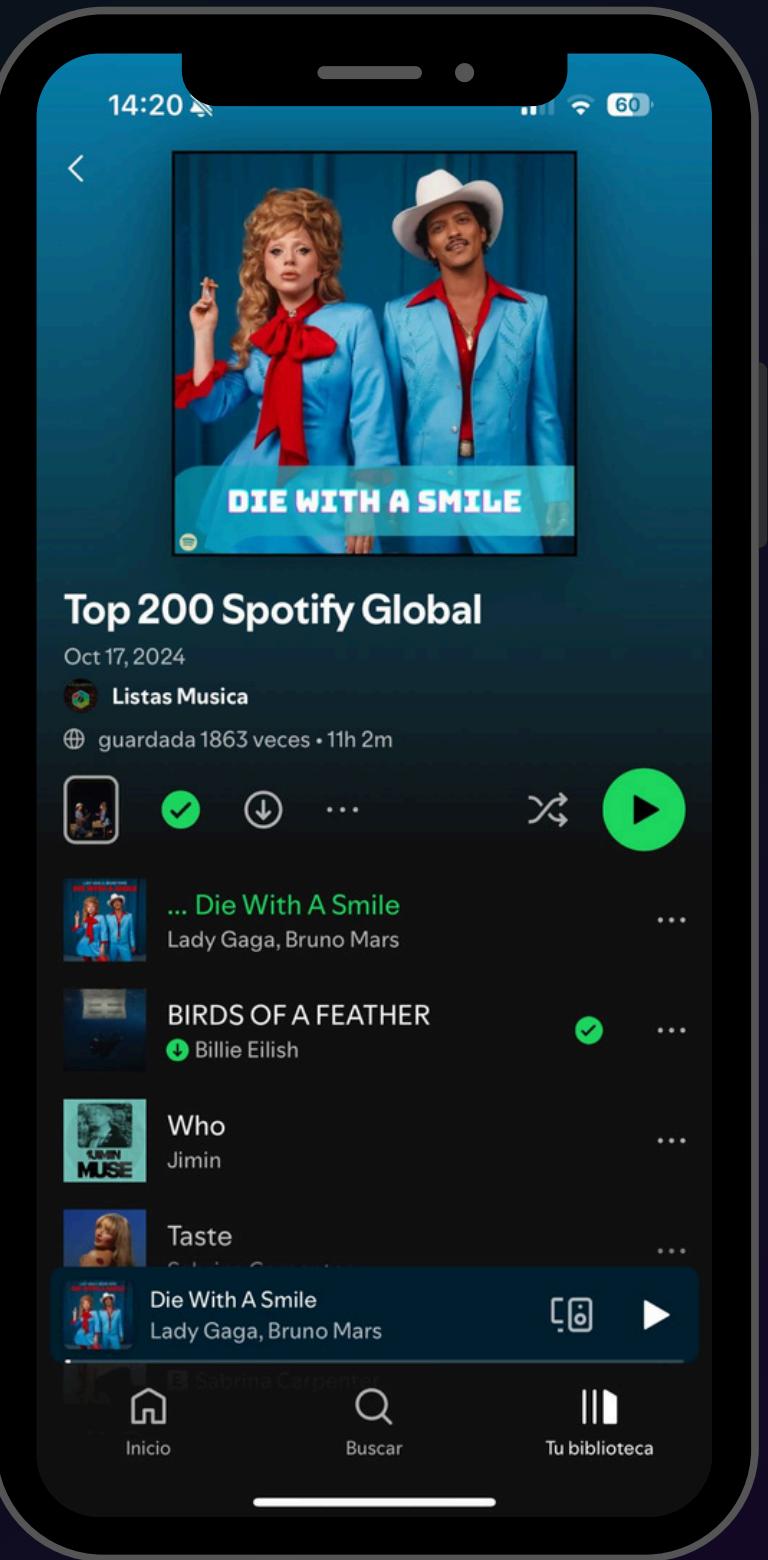
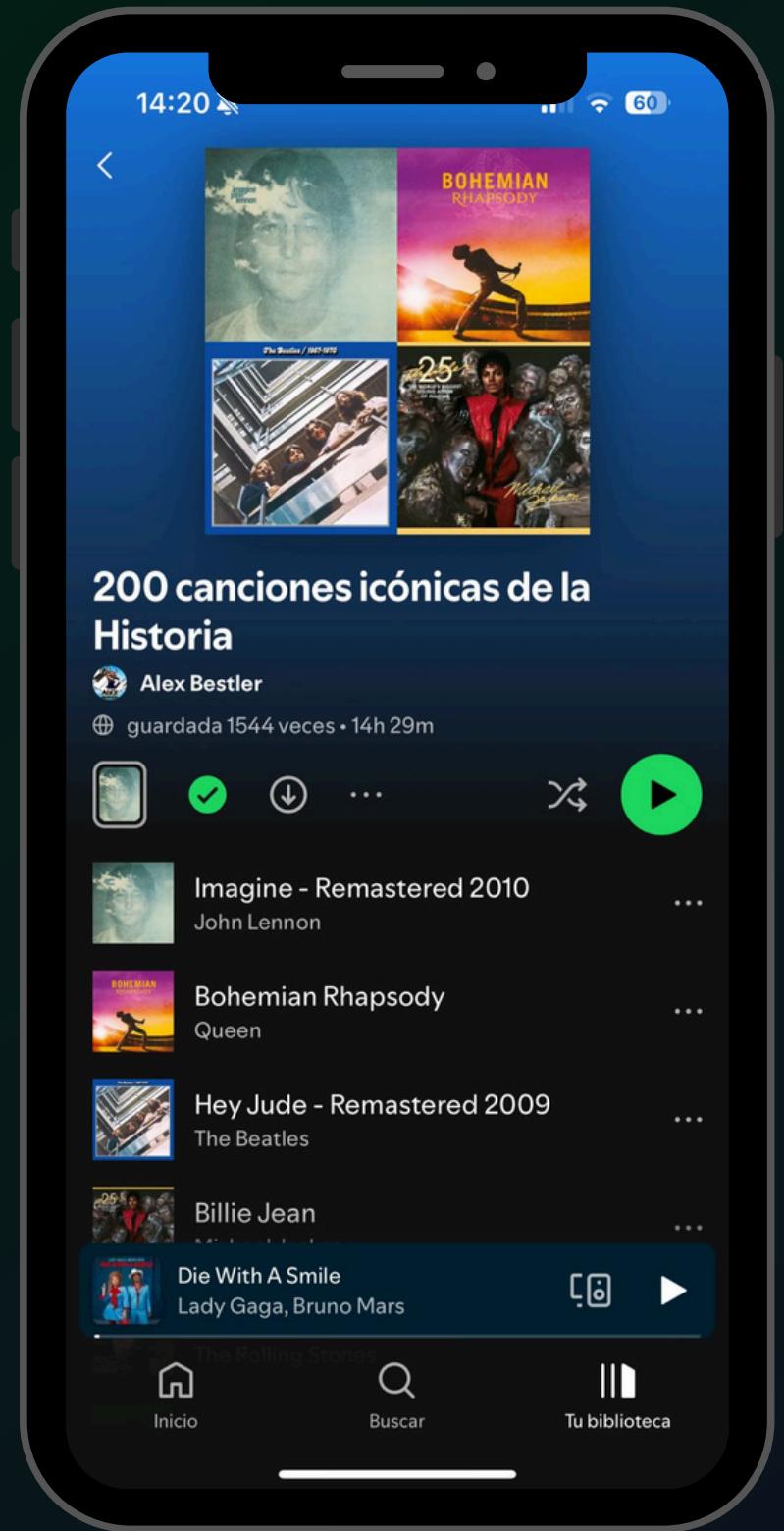
Valence

Measure describing the musical positiveness conveyed by a track.

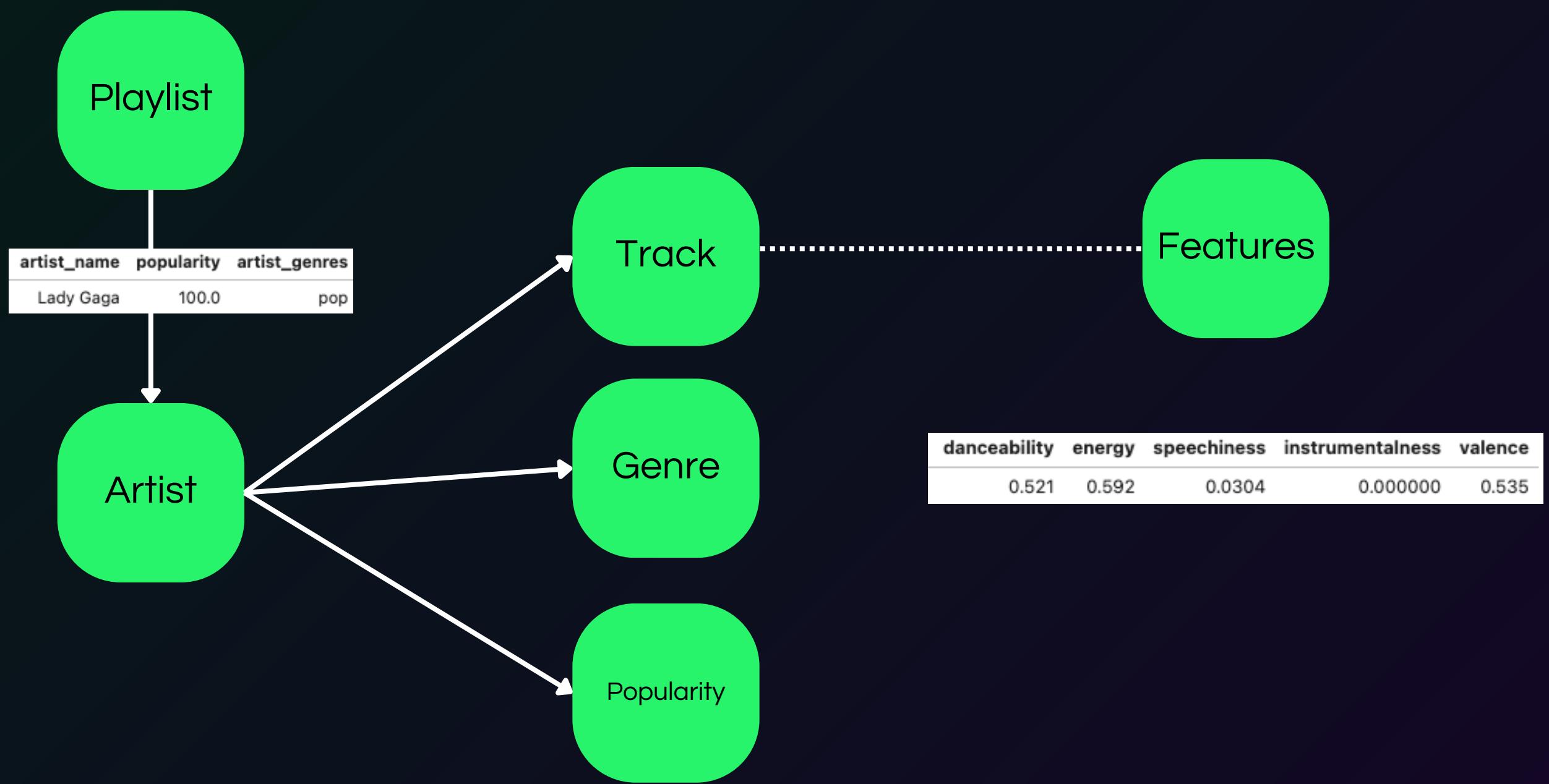
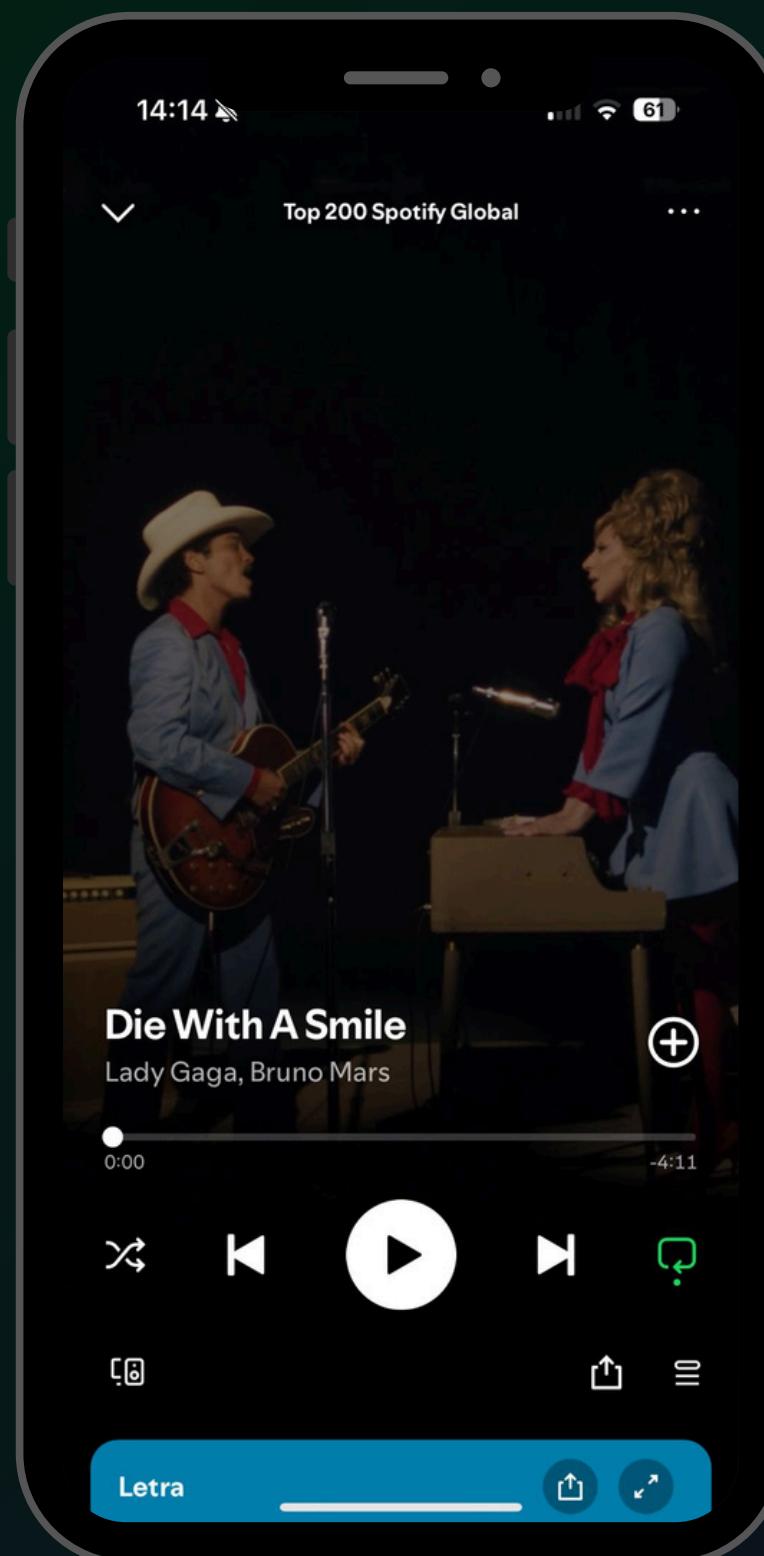
Values:

0.0 negative sound track
(e.g. happy, cheerful, euphoric)
1.0 more positive track
(e.g. sad, depressed, angry)

PLAYLIST TO ANALIZE



ROUTE - SPOTIFY API: ENDPOINTS TO FEATURES



IS THIS A

IS THIS A SPOTI

IS THIS A SPOTI - MATCH?



POPULARITY - BY ARTIST

Popularity: Playlist User 1 - Mean by Artist Name

85,92

Popularity: Playlist User 2 - Mean by Artist Name

71,25

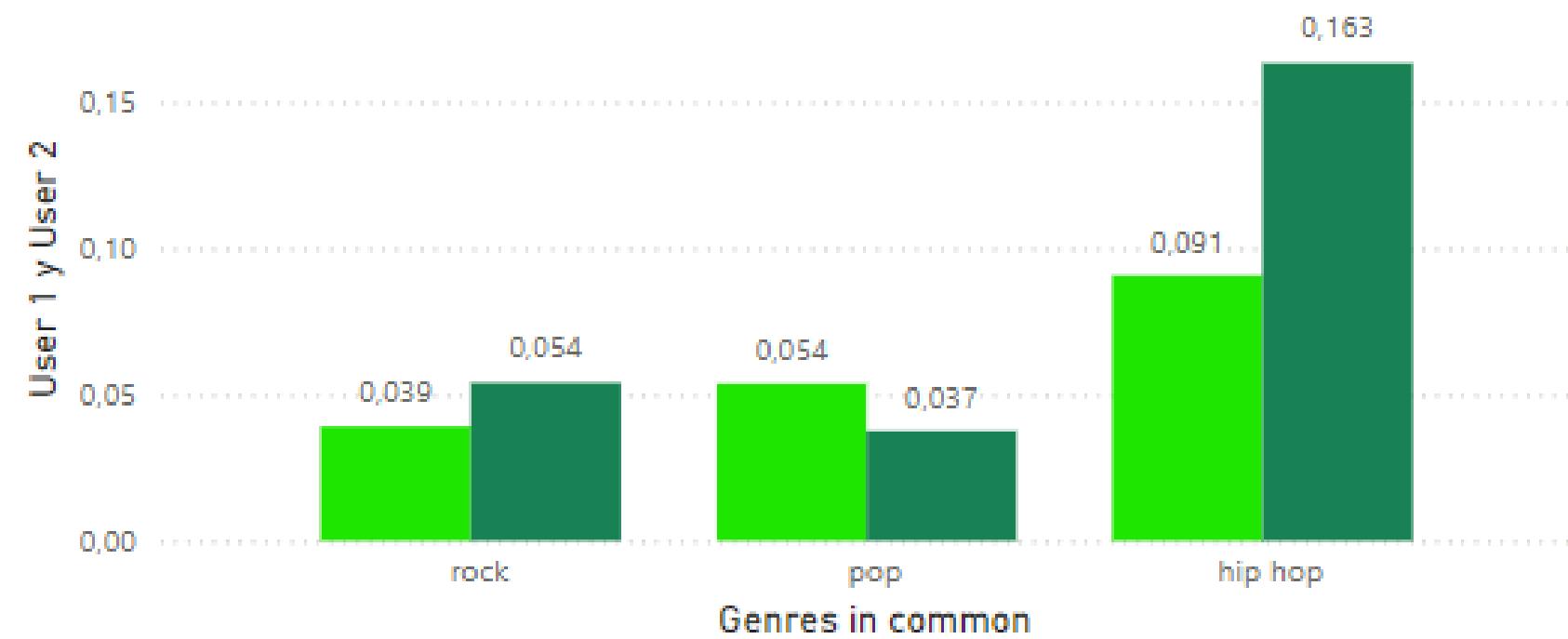


**WHAT ABOUT TRACK
FEATURES?**



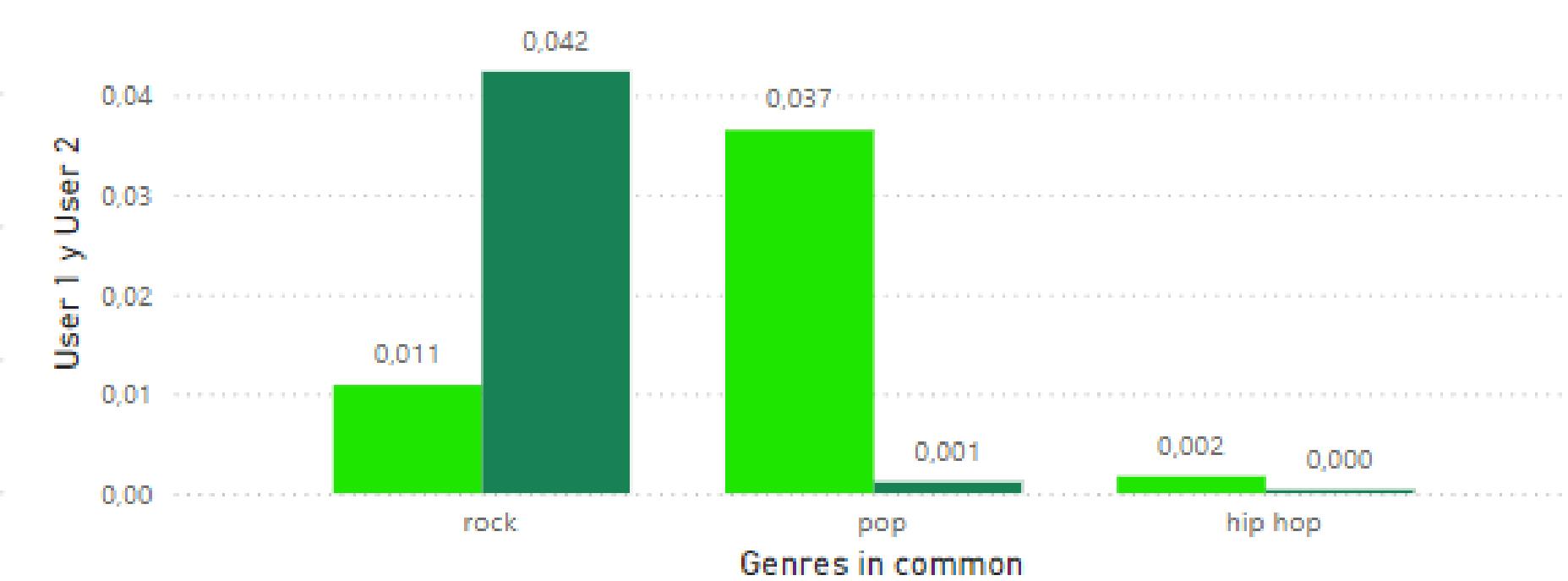
Speechiness

User 1 User 2



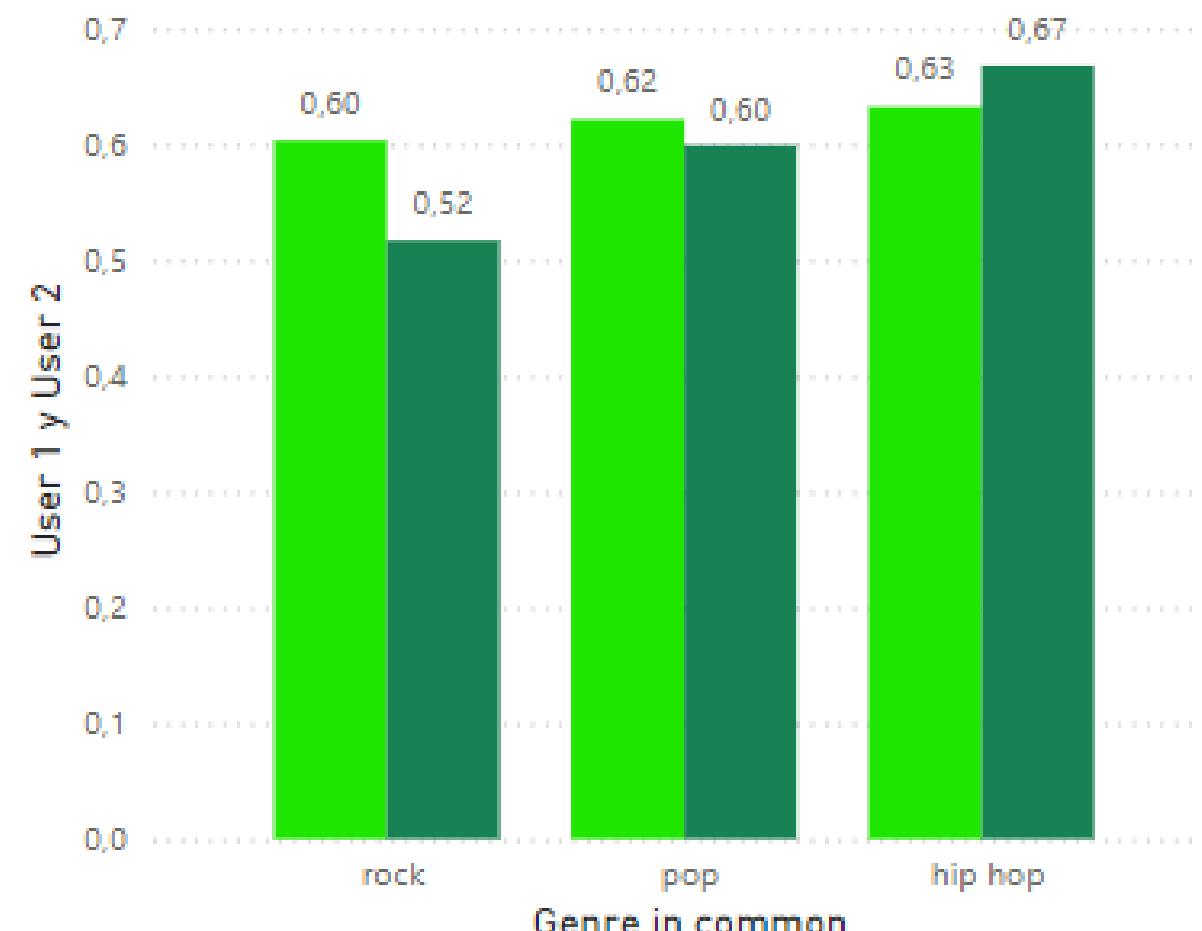
Instrumentalness

User 1 User 2



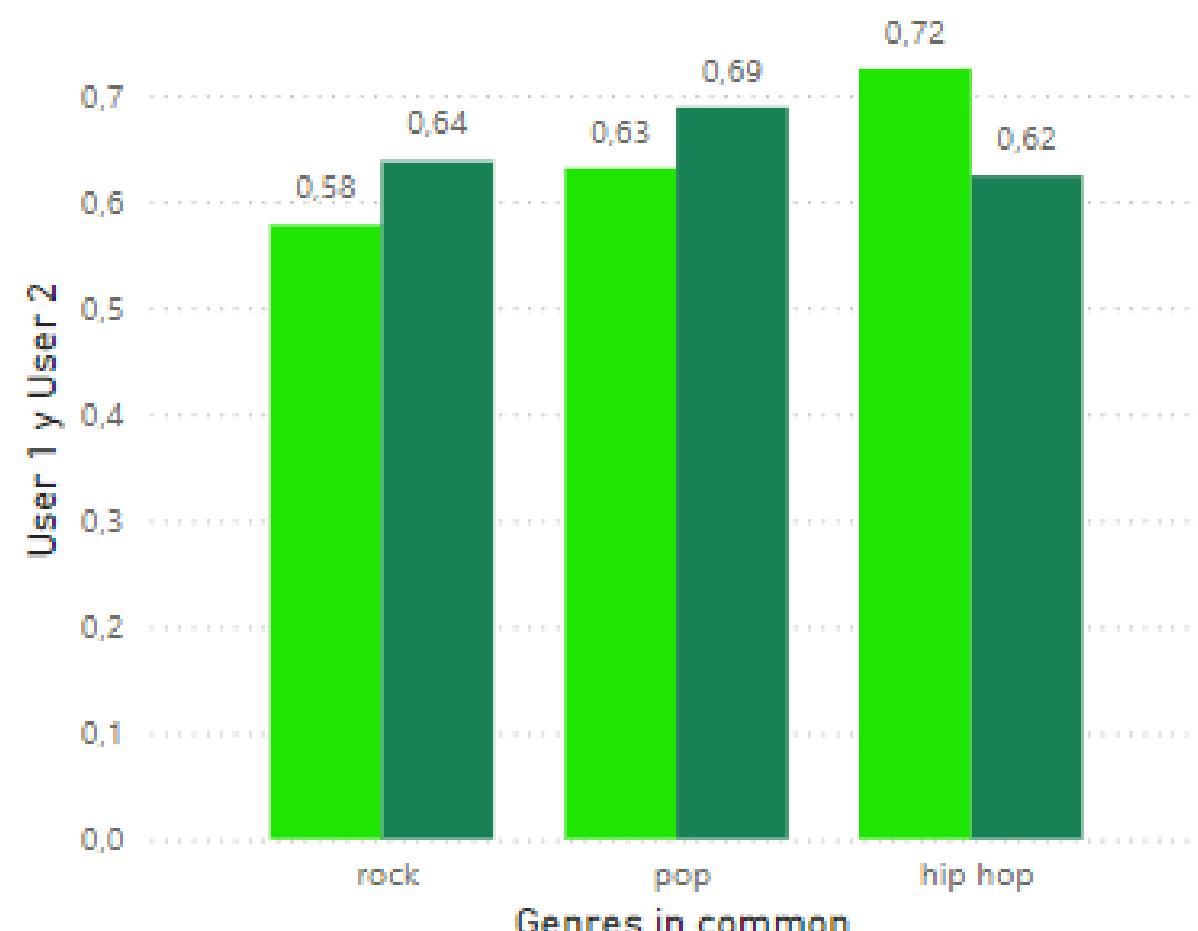
Danceability

User 1 User 2



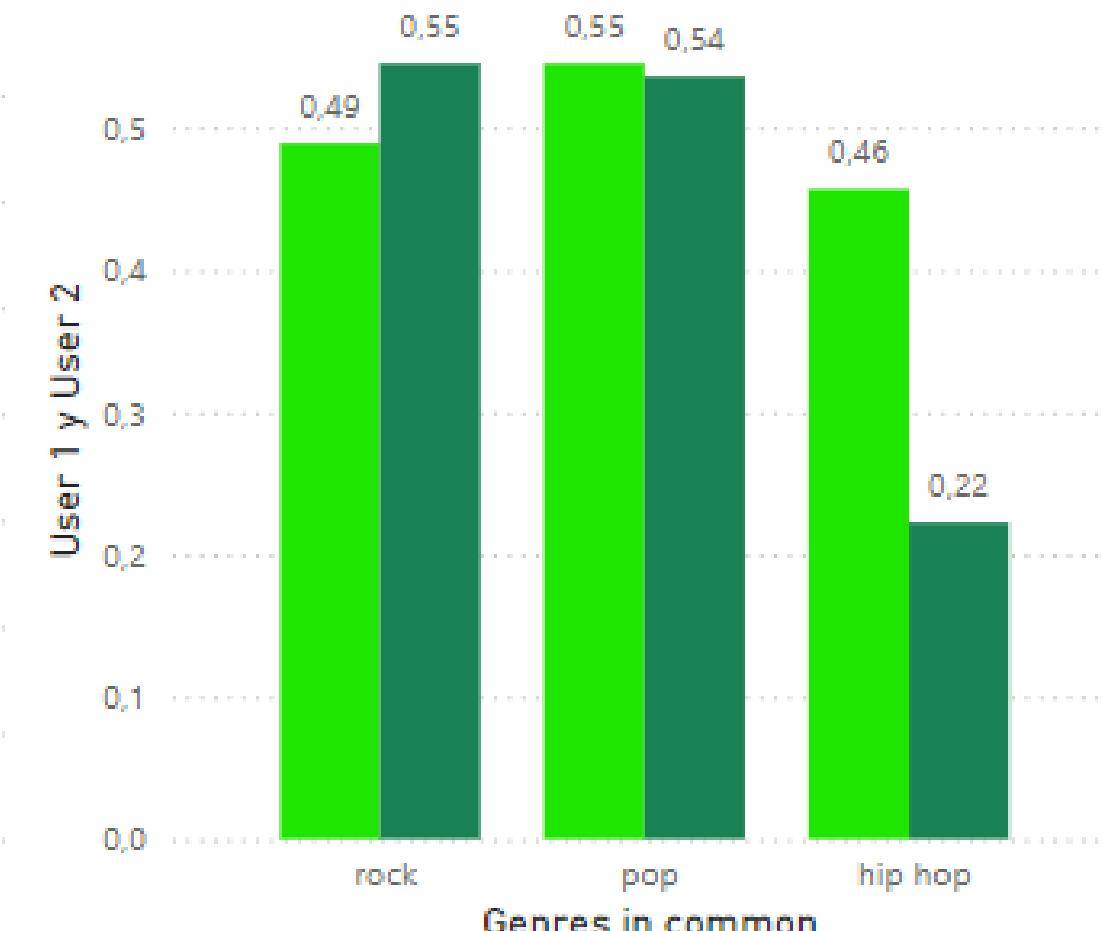
Energy

User 1 User 2



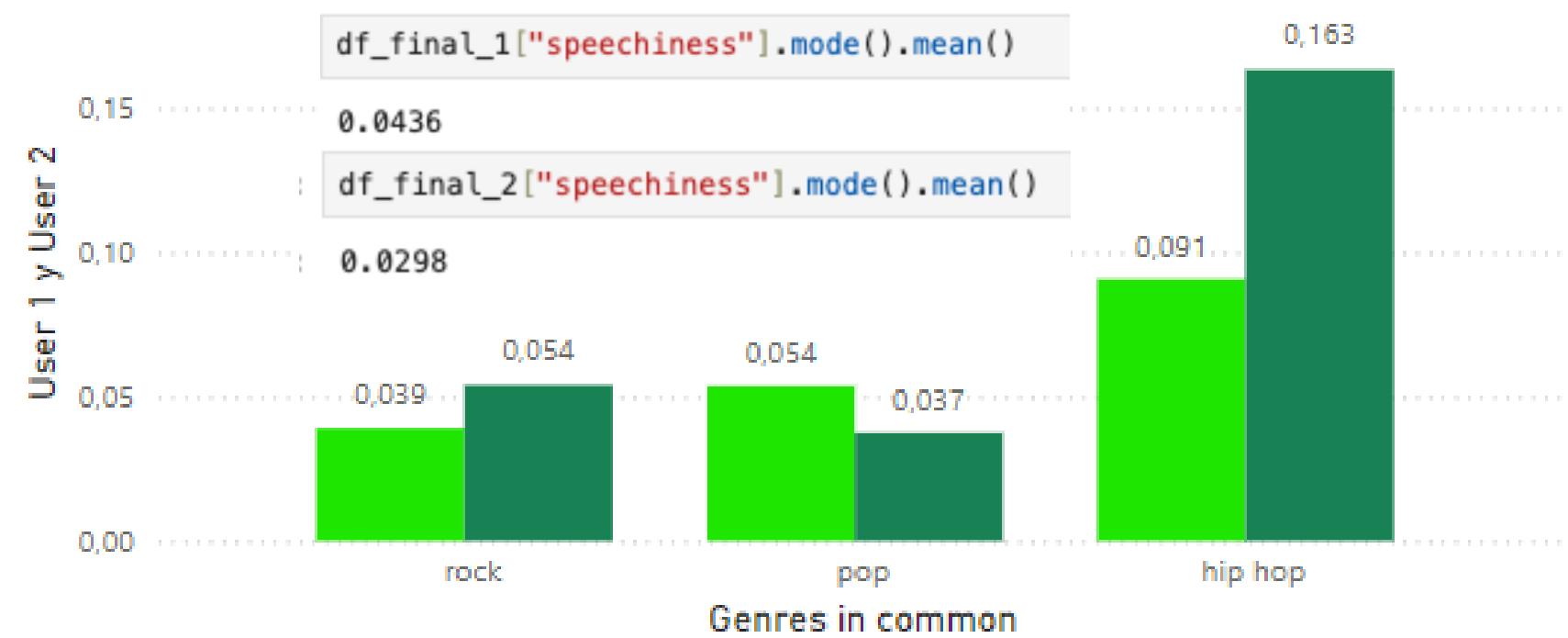
Valence

User 1 User 2



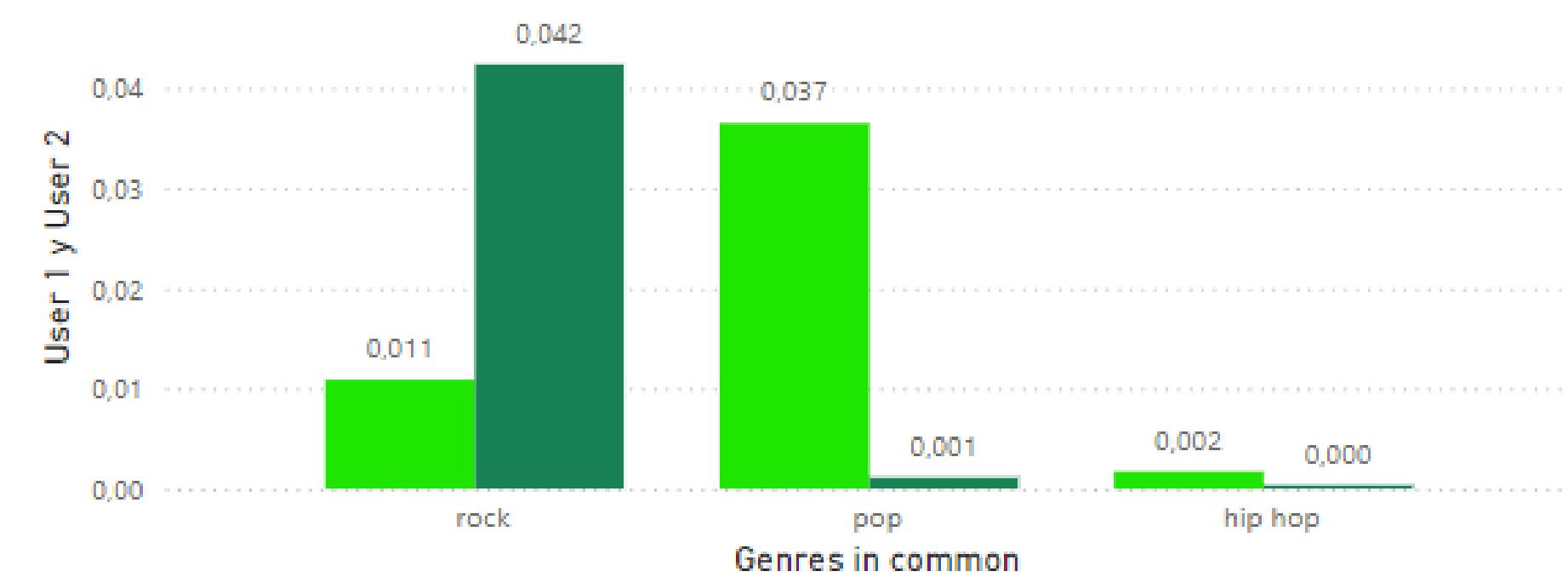
Speechiness

User 1 User 2



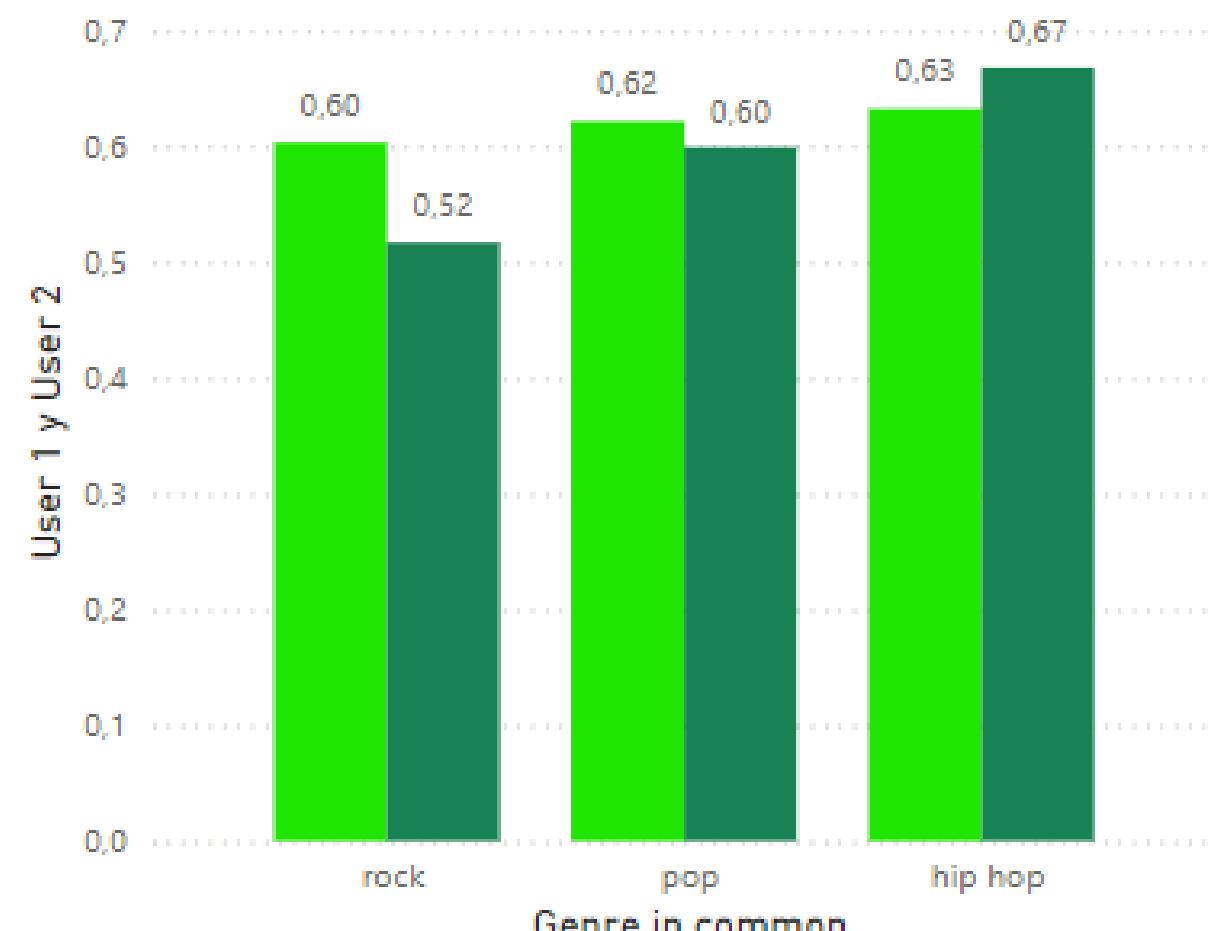
Instrumentalness

User 1 User 2



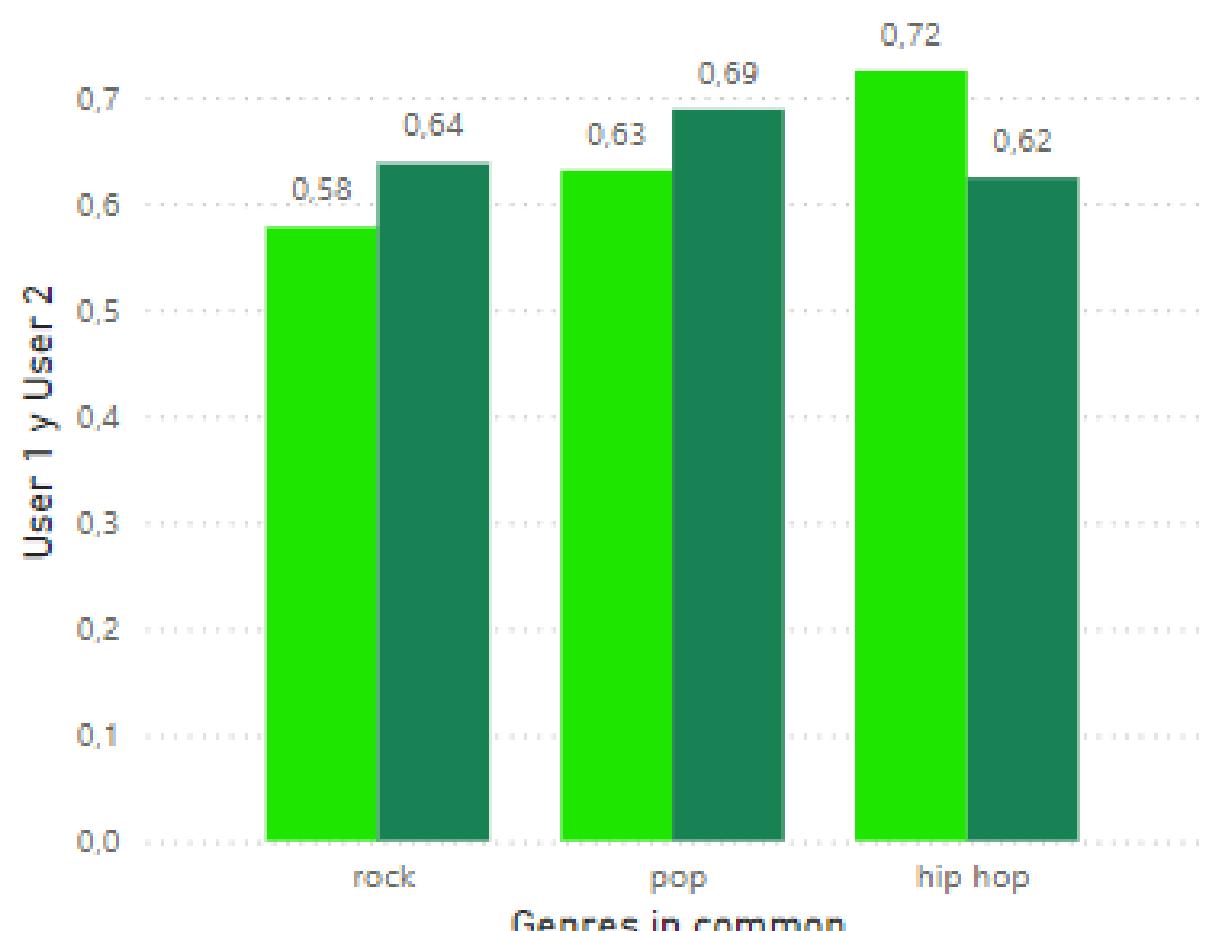
Danceability

User 1 User 2



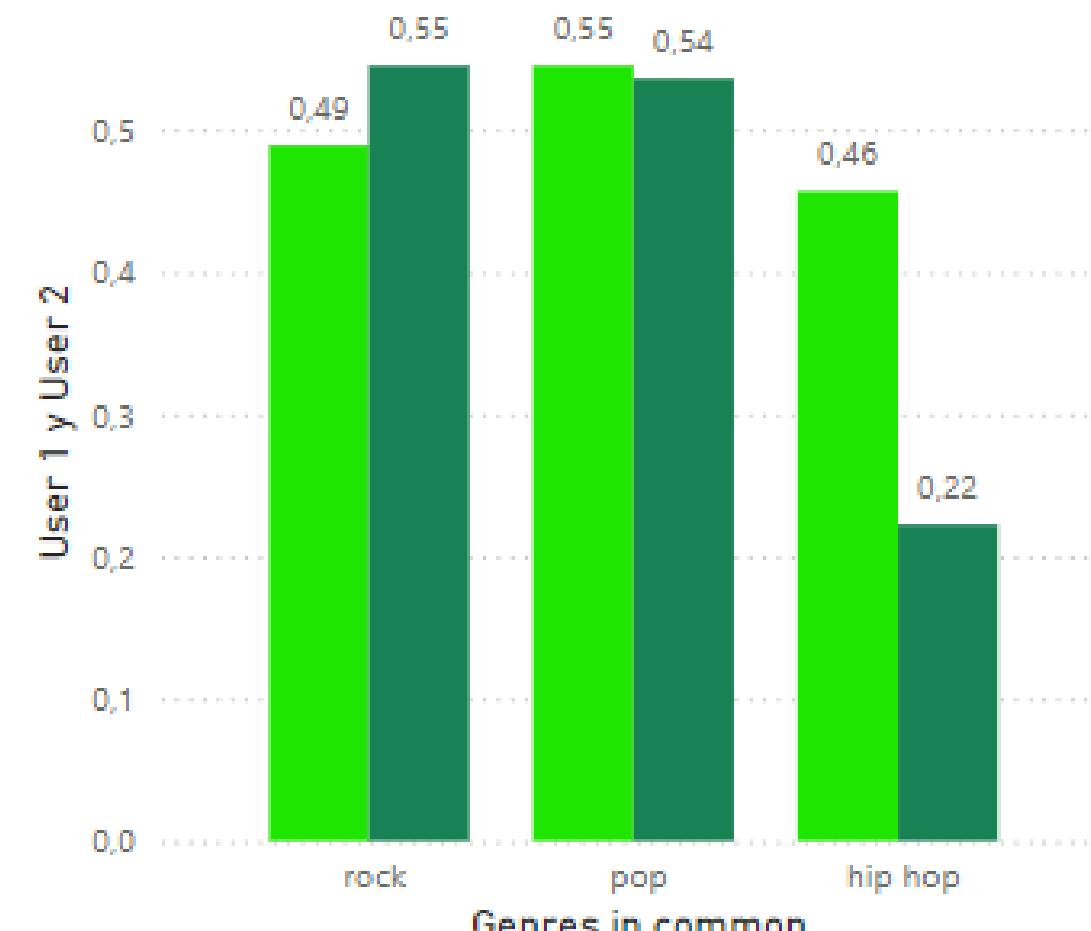
Energy

User 1 User 2



Valence

User 1 User 2



**UHMM... IT SEEMS LIKE WE HAVE A MATCH,
LET'S TAKE A CLOSER LOOK.**



UHMM... IT SEEMS LIKE WE HAVE A MATCH,
LET'S TAKE A CLOSER LOOK.

CHEMESTRY 🔥 = [DANCEABILITY 🕺 ,
ENERGY ⚡ , VALENCE ✨]



DANCEABILITY

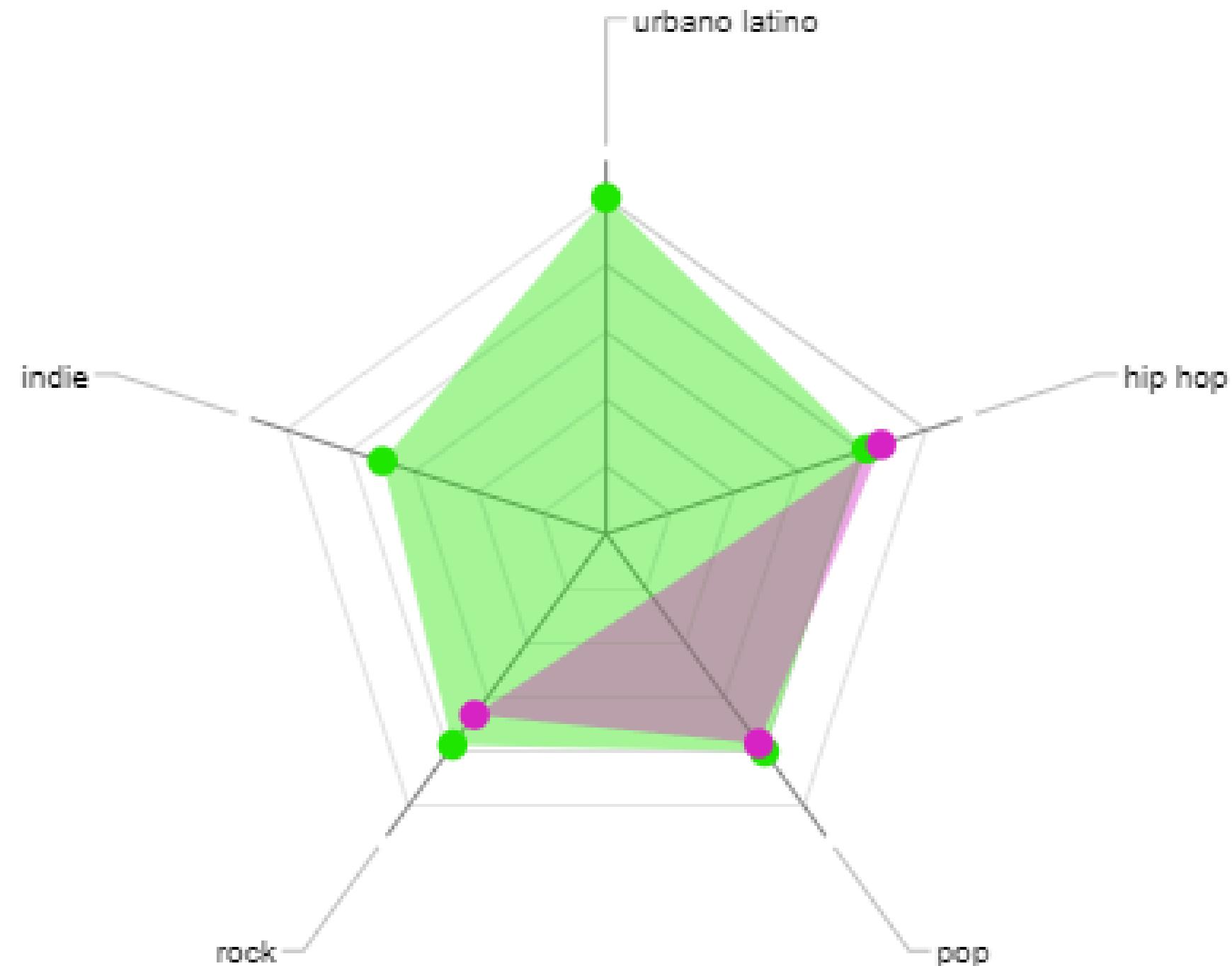
TRACK - AVERAGE GROUPS OF GENRES



Danceability

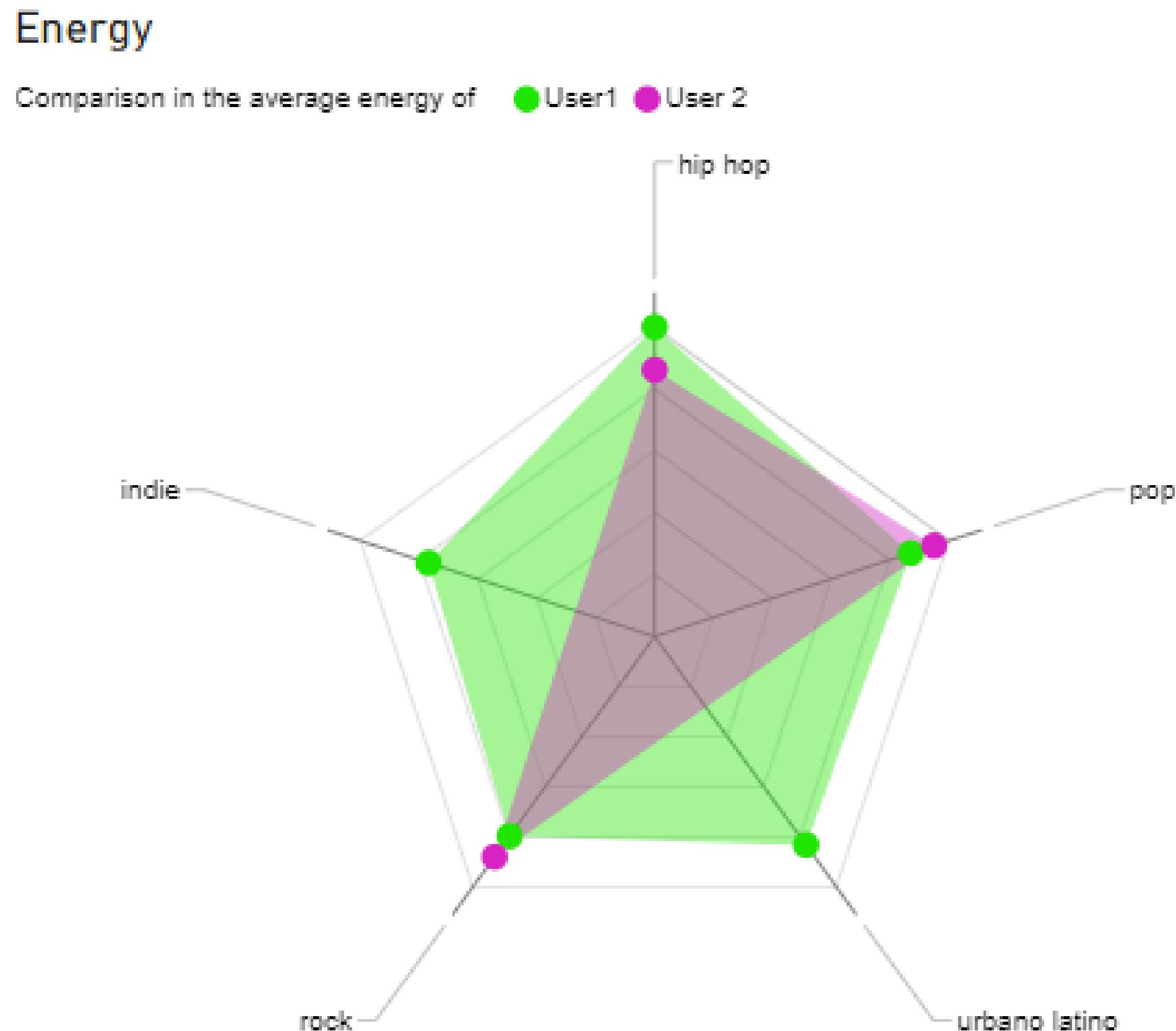
Comparison in the average energy of

User 1 User 2



ENERGY

TRACK - AVERAGE GROUPS OF GENRES



VALENCE

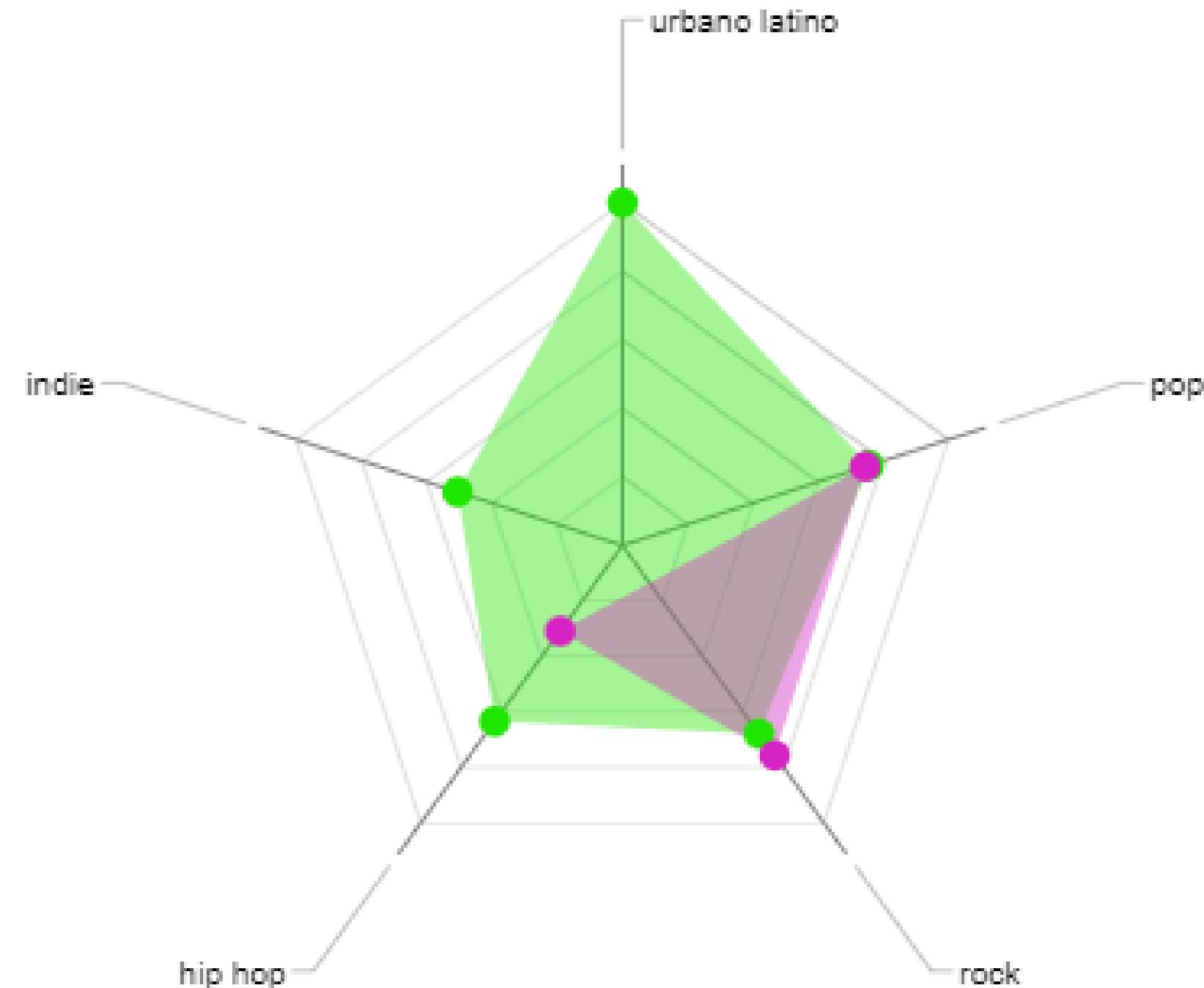
TRACK - AVERAGE GROUPS OF GENRES



Valence

Comparison in the average energy of

User 1 User 2



HYPOTHESIS

Hypothesis 1:

With 65% or more compatibility,
it's a *Spoti-match!* 🔥

Hypothesis 2:

With less than 65% compatibility... it's
not your *Spoti-match*, babe 😊

RESULTS:

Difference % :

Danceability: 4.07%

Energy: -1.60%

Valence: 3.89%

Diference of percentage :
Average of 3 features for each playlist,
comparing them using a percentage
calculation.

Hypothesis 1:

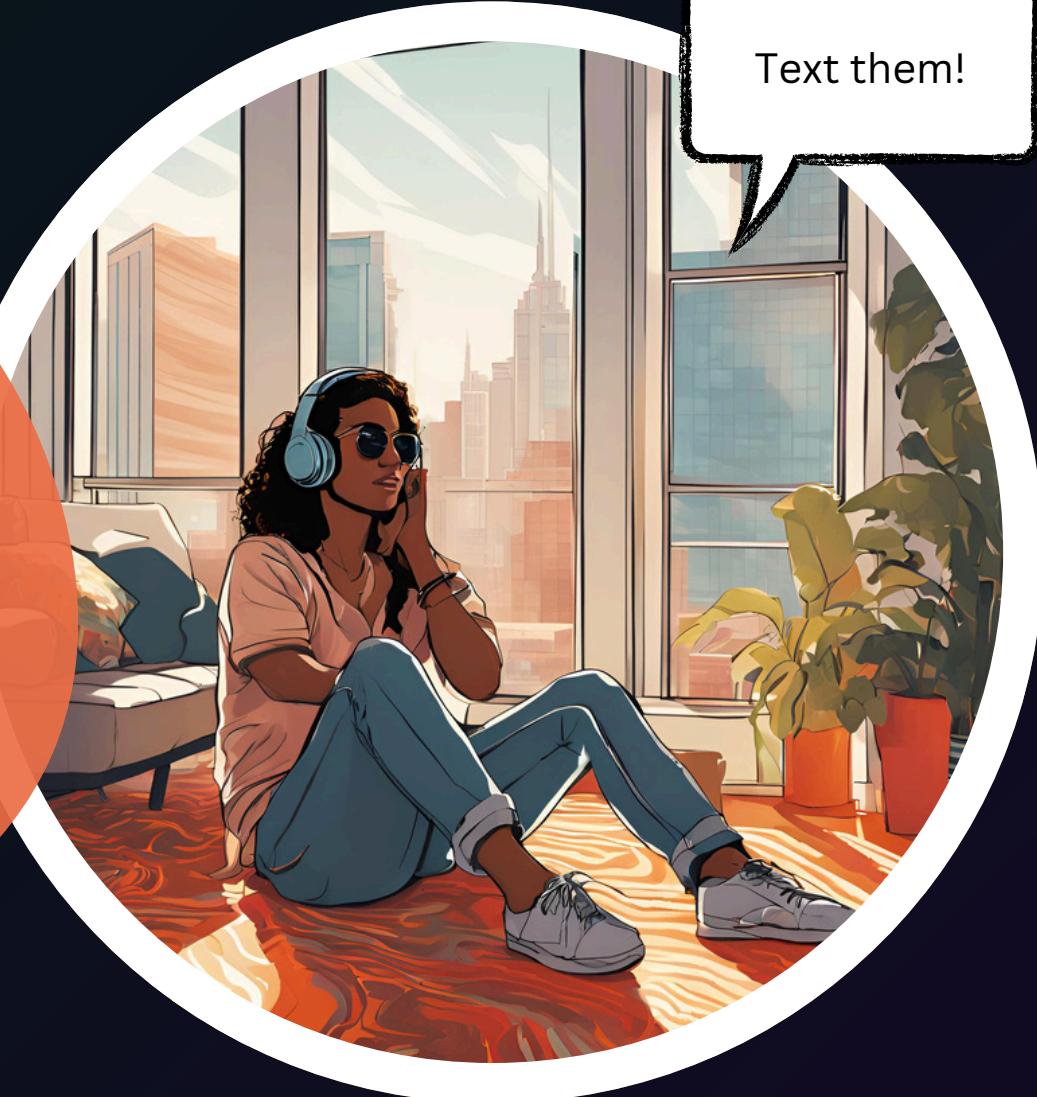
With 65% or more compatibility,
it's a Spoti-match! 🔥

Hypothesis 2:

With less than 65% compatibility... it's
not your Spoti-match, babe 😊

IS THIS A SPOTI - MATCH?





Your playlist was compared with their favorite playlist,
you guys are definitely a *Spoti-match* 😊



THANK YOU
