

Spotify Recommender

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CUSTOM

- Spotify Radio



CUSTOM

- Playlists



**SPOTIFY +
PYTHON =
SPOTIPY**

USER EXPERIENCE

Choose Playlist/Radio

Search Song/Artist

Option to Customize

CUSTOMIZE

- Play song selection first or skip straight to recommendations.
- Option to avoid repeating artists.
- Set the broadness to narrow, medium or wide.
- Option to filter within a specific popularity range (0 - 100).

1. REFERENCE SONG SELECTED



2. REQUEST RECOMMENDATIONS FROM SPOTIFY



3. GET AUDIO FEATURES FOR EACH RECOMMENDATION



4. DETERMINE SIMILARITY OF SONGS BASED ON AUDIO FEATURES



5A. QUEUE MOST SIMILAR SONG



5B. ADD SONG TO PLAYLIST



6. FEED SONG INTO NEXT REQUEST AND ADD TO LIST

(THEN GO BACK TO STEP 2)

FEATURES

Acousticness

Danceability

Energy

Genres

Instrumentalness

Liveness

Loudness

Mode

Popularity

Speechiness

Tempo

Time Signature

Valence

BROADNESS

- Narrow
- Medium
- Wide

GET RECS FROM

- First song
- Current song
- Current song

SIMILAR TO

- First song
- First song
- Current song



THANK YOU!

& CONCLUSIONS