

# Reggaetón Recommending System

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# Music is important to me, but finding new music is hard

- Reggaetón is my favorite genre
  - I grew up with it
  - I know most of the original songs
- Spotify recommendation algorithm does a bad job at finding new music:
  - It recommends you a handful of songs of popular artists from the same genre
  - It recommends you randomly saved songs from same genre
  - It recommends you music you've interacted positively before



# How can I find new music related to a genre I know well?

Impacts:

- Solving this would provide me personal satisfaction
- Code is easily applicable to other genres and users
- Finding a better feature set to base recommendation systems will impact incumbent music platform algorithms
- Recommending different artists and genre will generate new connections between artists and fans

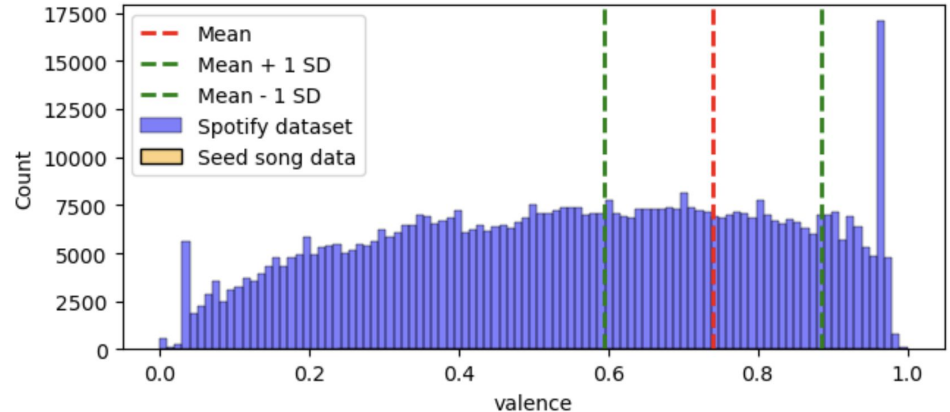
## Sprint 1 flow

I like a song -> Find song's URI (Spotify Web Player) -> Query Spotify Web API with Track's URI -> Get metadata -> Perform EDA

index	danceability	energy	key	loudness	mode	speechiness	acousticness	instrumentalness	liveness	valence	tempo	type	id
0	0.82	0.788	6	-5.478	0	0.191	0.272	1.65e-06	0.0404	0.648	93.961	audio_features	0t0SgSmZsbxCkdkFUPjg59

The dataset songs' valence graphed with my seed songs' mean and standard deviation energy represented by red and green color lines, respectively.

A high Valence value represents a “positive” song.



# Next steps

1. Try different features
2. Test accuracy of models
3. Try sub selecting for different genres and popularity in Spotify dataset
4. Use different distance and clustering methods
5. Look up ways to compress and vectorize all song features and cluster