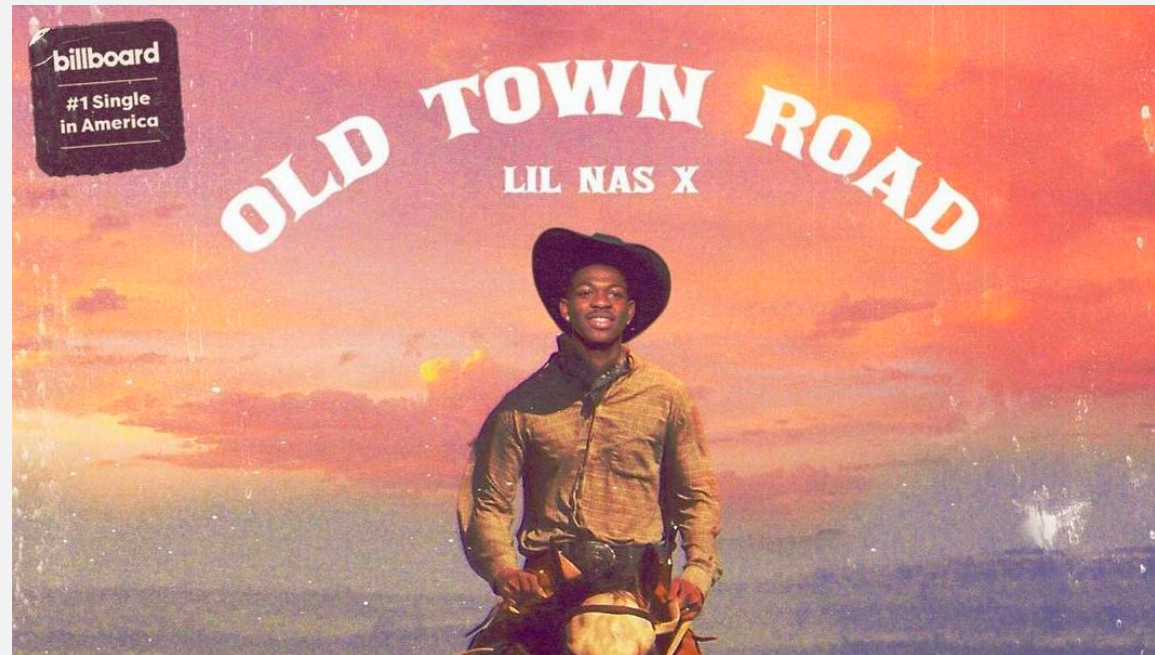


# ROCK, HIP-HOP, OR ELECTRONIC

Hari Devanathan

## COUNTRY-ROCK OR HIP-HOP?



## ROCK OR HIP-HOP?



PREDICT THE PRIMARY GENRE OF A SONG

# DATA SETS AND TOOLS

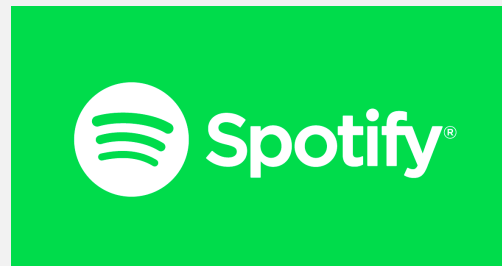
Non-Mainstream Songs



Popular Songs



10,000 songs



# FEATURES



- danceability
- energy
- speechiness (# of words)
- acousticness
- instrumentalness
- liveness (is it played live)
- valence (positivity)
- tempo

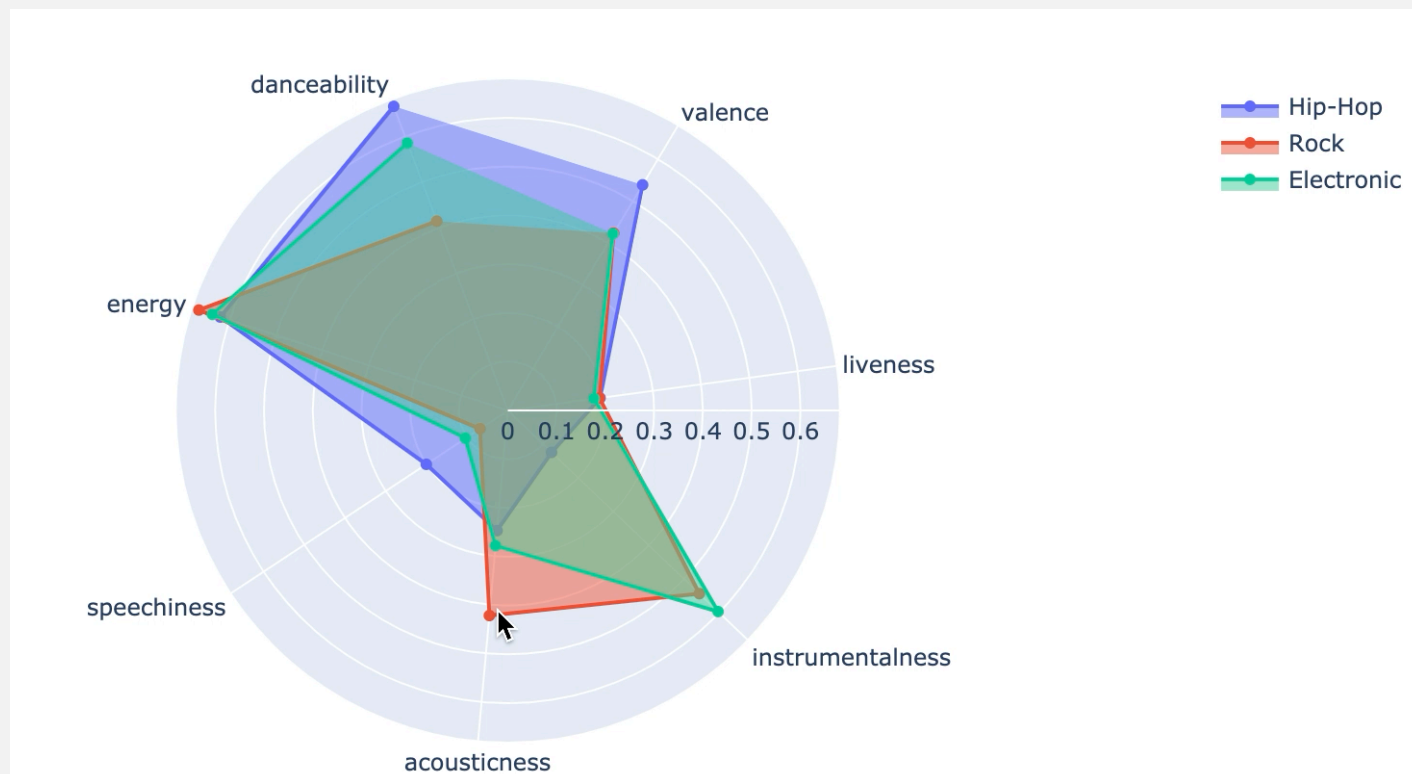


Hip-Hop

Rock

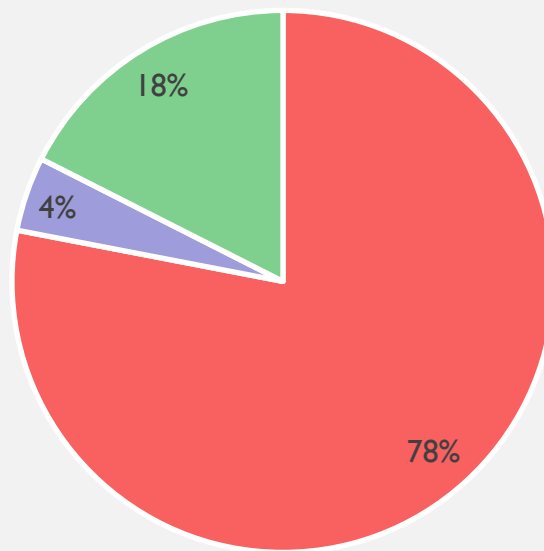
Electronic

# RADAR PLOT



# RANDOM FOREST MODEL

Model Predicted Rock



■ Rock ■ Hip Hop ■ Electronic





# WEB APPLICATION



**Enter in a song and I'll tell you if it is Electronic, Hip-Hop, or Rock**

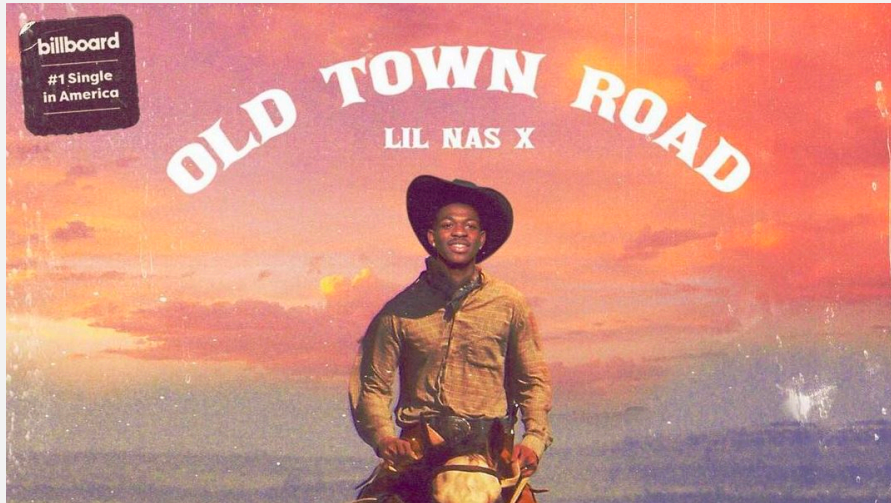
Artist:

Song:

Get Song Info

# CONCLUSION

- Model can distinguish between rock and hip hop extremely well



Country  
Rock

# APPENDIX: WEB APP DESIGN

