Spotify Music Recommendation System

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Background

- Sad music improves mood
- Prefer sad music when experiencing loss
- Music therapy
- Spotify founded in 2006
- #1 audio streaming subscription service

Overview

- Recommendations based off song features
- Song Analysis

Business Objective

- Helps indecisiveness
- Tired of songs on repeat?

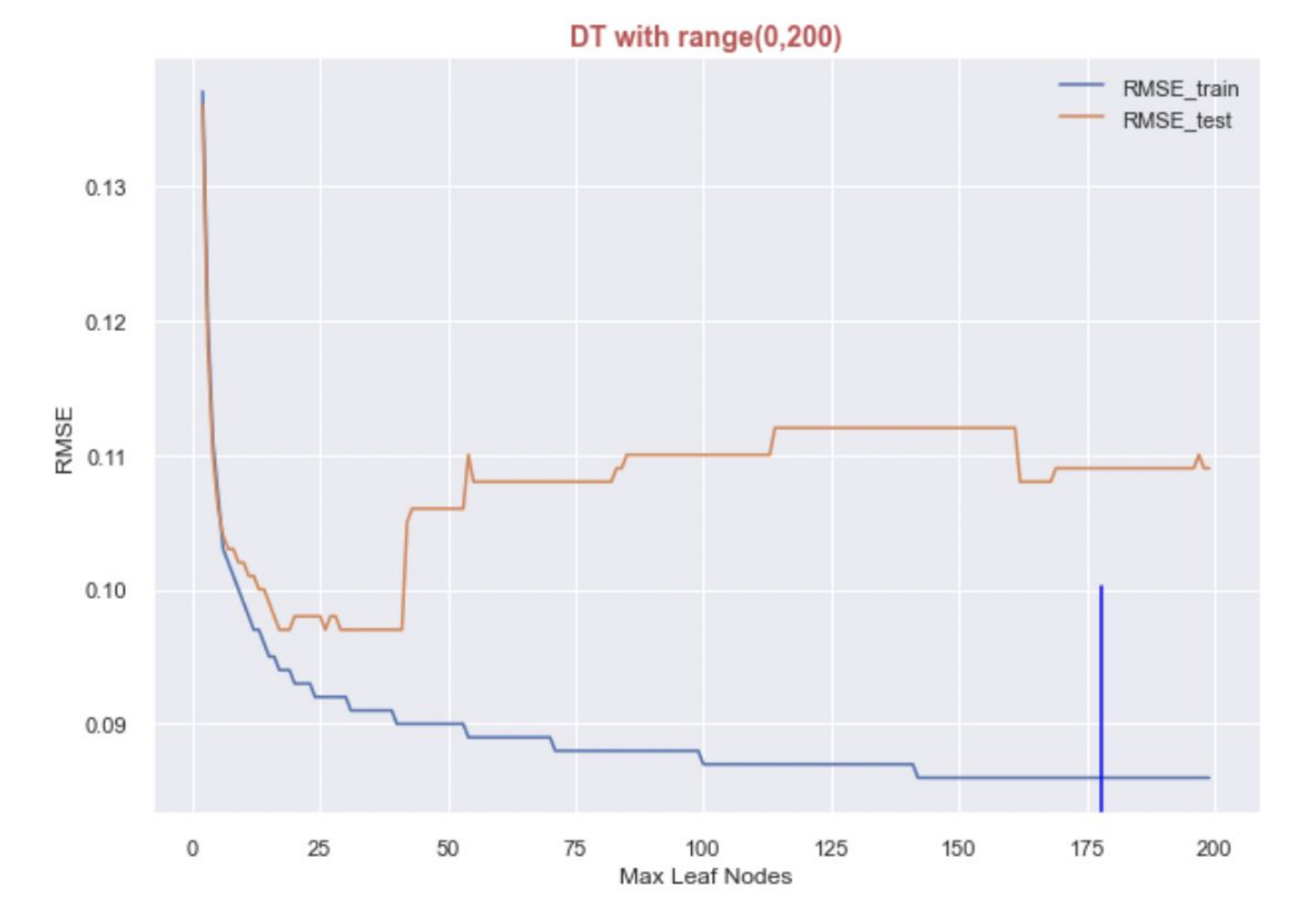
Source- callcentrehelper.com

Spotify

Data

Spotify

Results


DT with range(0,200)
RMSE_train
RMSE_test
RMSE
0.13
0.12
0.11
0.10
0.09
0
25
50
75
100
125
150
175
200
Max Leaf Nodes

Conclusion

- Similar artists
- Similar genres

Song Recommender

"Hotline Bling" -Drake

	artists	name
57153	Ariana Grande	bad idea
18125	P!nk	Try
108850	BTS	Stay Gold
38406	Lil Nas X	Old Town Road
16407	Usher, Lil Jon, Ludacris	Yeah! (feat. Lil Jon & Ludacris)

Spotify

Next Steps

- Spotify API (Application Programming Interface)

- Use more data & explore for deeper analysis

- Deploying on web app (Streamlit)

Thank you!

Questions?

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