HOME

MEET THE TEAM

PLAYLIST

01 *Business Problem*

02 *Data*

03 *Methods*

04 *Results*

THANKS!

Music Recommendation System

+ Mood-Specific Recommendations

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The 15th Planet

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Meet the team

James Meredith

Data Scientist, Rock Legend

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01

Business Problem

A Smarter Spotify Recommendation System

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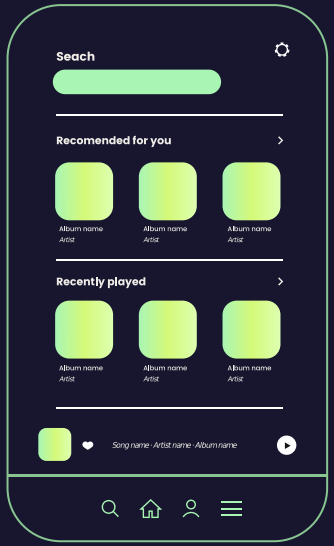
THANKS!

A Context-appropriate Recommendation System

Hey Spotify! Build me a playlist for the day!

I'm exhausted! Just keep it chill.



Sure thing! What's your mood for the day?

Okay! Here's a playlist full of songs you're sure to enjoy!

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02

Data

The Million Song Dataset

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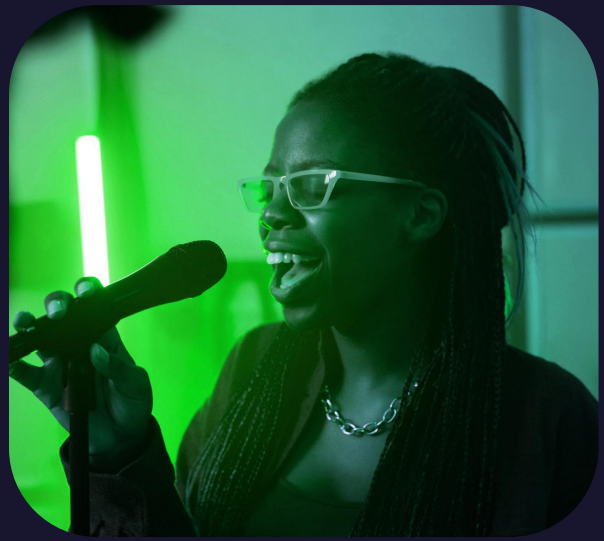
Data

The Million Song Dataset

+

Additional Datasets:

- The Last.fm Dataset
- The Echo Nest Taste Profile Subset
- Spotify API



03 Methods

Building Recommendations fit for the mood

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Methods: Recommendation System

Content-based

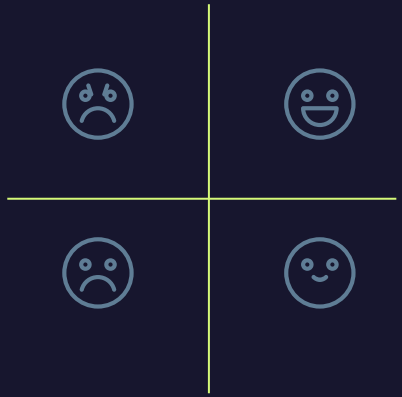
Uses music features to recommend similar music

Collaborative Filtering

Recommends music similar users liked

Methods: Mood Detection System

- Emotions:
  - Happy
  - Sad
  - Angry
  - Relaxed
- Prediction model to predict a song's dominant mood



04 Results

Accurate, user-free emotion labeling

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Product demo

Let’s try it out!

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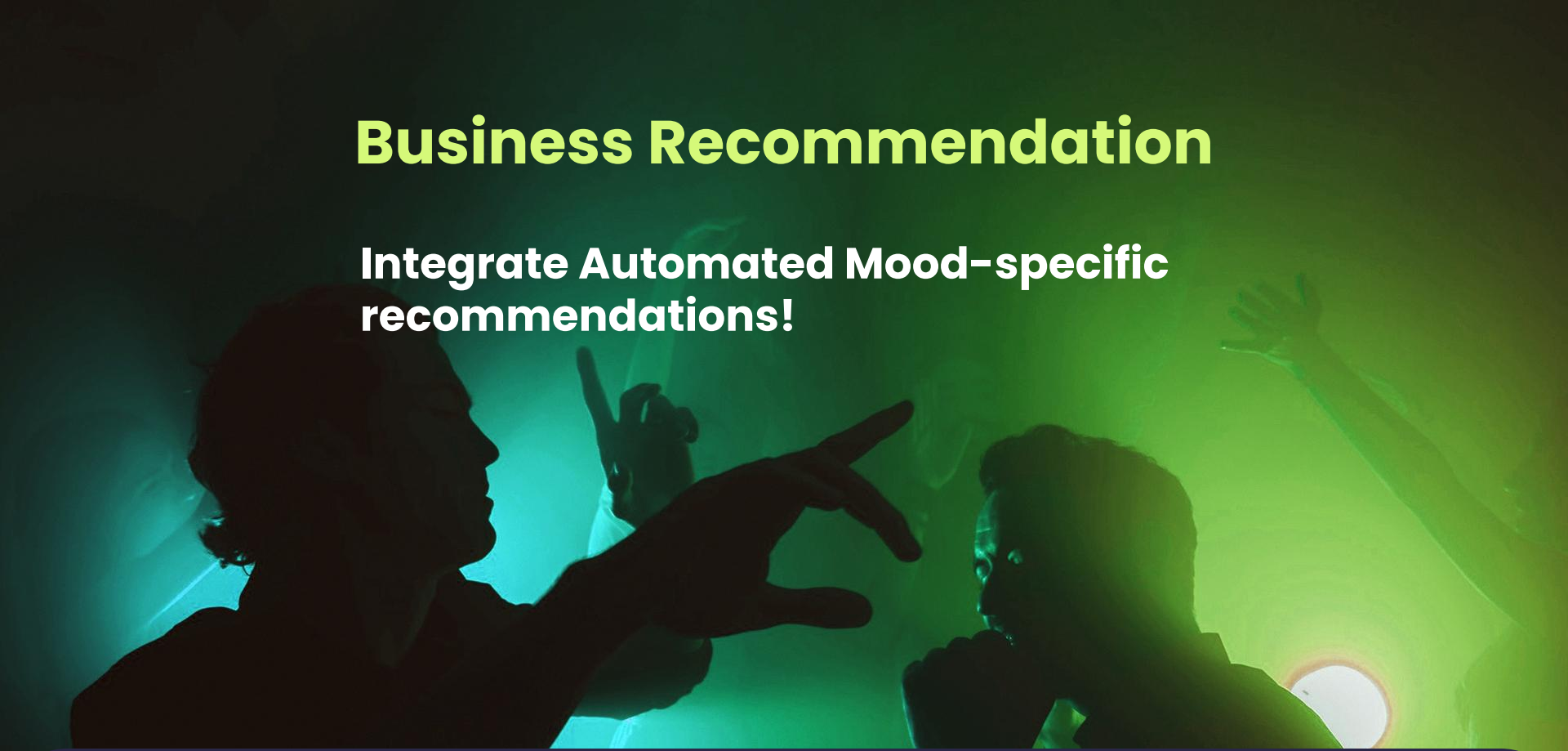
Business Recommendation

Integrate Automated Mood-specific recommendations!



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Looking Forward...

1. Further improve model accuracy
2. Implement and track user feedback!

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Thanks!

Any questions? Contact me at:
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