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Song Central
Team G

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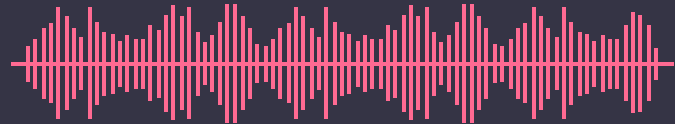
Brainstorming and researching

02 Data Collection

Gathering the data from different APIs

03 Final Product
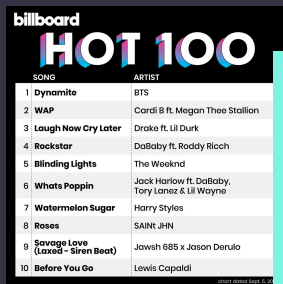
Executing the idea and final touches
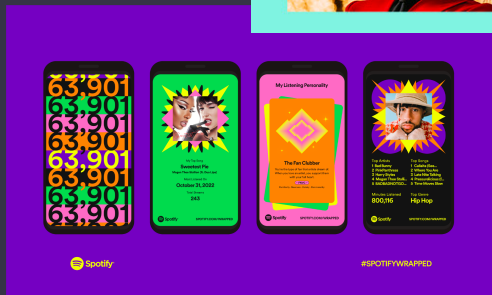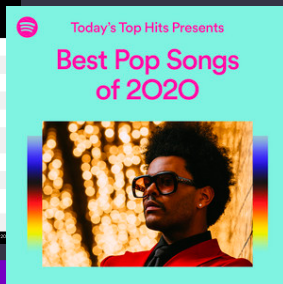
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01

Introduction

Introduction

The project originated from a curiosity about the best songs, artists, and genres of the world at any given time!

- Spotify Wrapped
- Global Top Hits - Billboard Charts
- Regional Hits - Last Fm

People want to know what's popular in the music scene!

461%

From 2020 to 2021, there was a 461% increase in the volume of tweets about Spotify Wrapped.[1]

Our Music Playlists

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Billboard Charts

Top Songs

Top Artists

Top Genres

Artist of the Year

Song Central

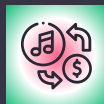# What do we want to know?

Top Songs

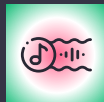Rocking Around the Christmas Tree

by Brenda Lee

Top Artists

Taylor Swift
Listened to 10h23min

The Weeknd
Listened to 4h35min

Beyonce
Listened to 2h15min

Top Genres

25% - rock

75% - pop

We want more…

Worldwide Analysis

In-Depth Analysis

Artist of the Year
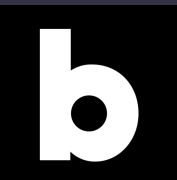
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02

Data Collection

APIs

OpenAI API
Taylor Swift and Geographical Data Analysis

3:15

Billboard API
Hot 100

3:20

Last.fm API
Top Tracks, Top Artists, Top Genres
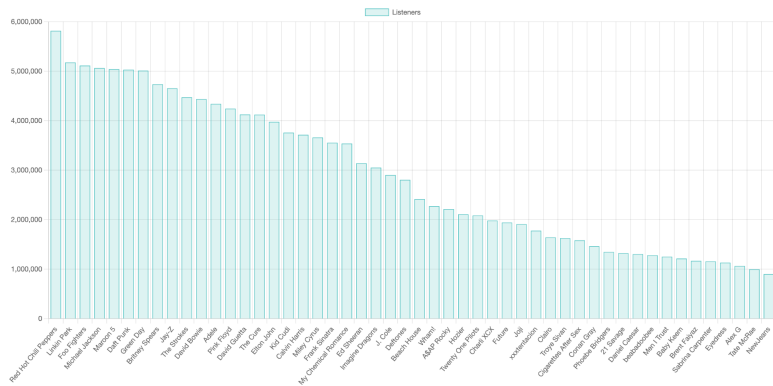
3:10

Data Collection: Last.fm

Last FM Top Artists Chart
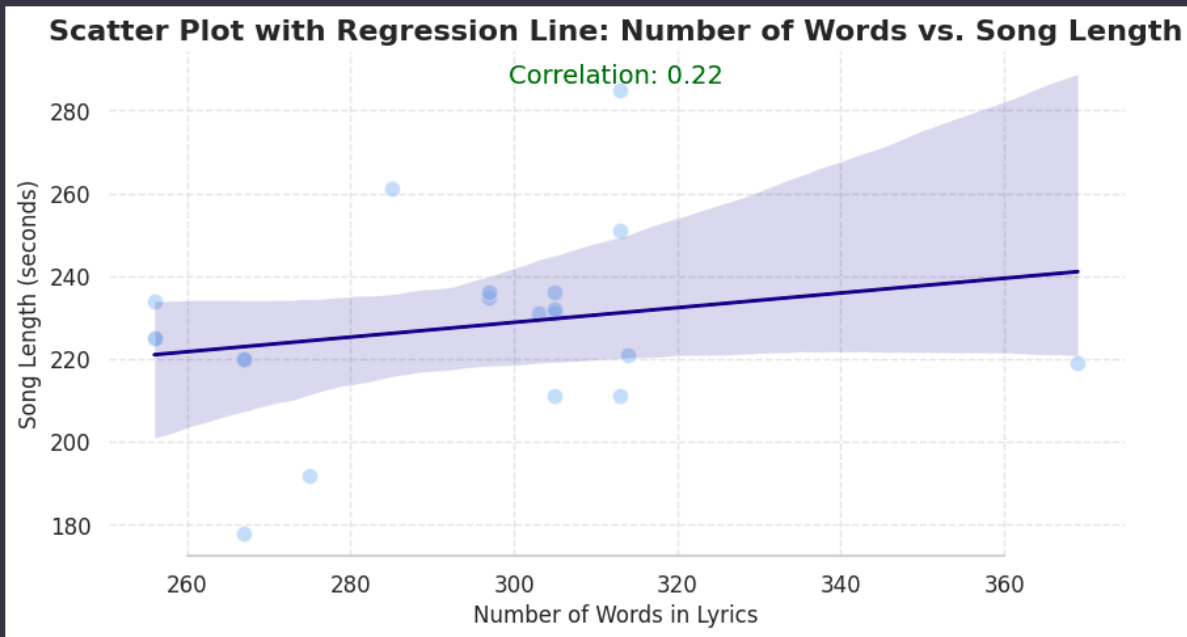

Genres

Taylor Swift Song Length (seconds) vs Length of Lyrics

Scatter Plot with Regression Line: Number of Words vs. Song Length

Correlation: 0.22

Taylor Swift Sentiment Analysis

Sentiment Scores of Taylor Swift Songs
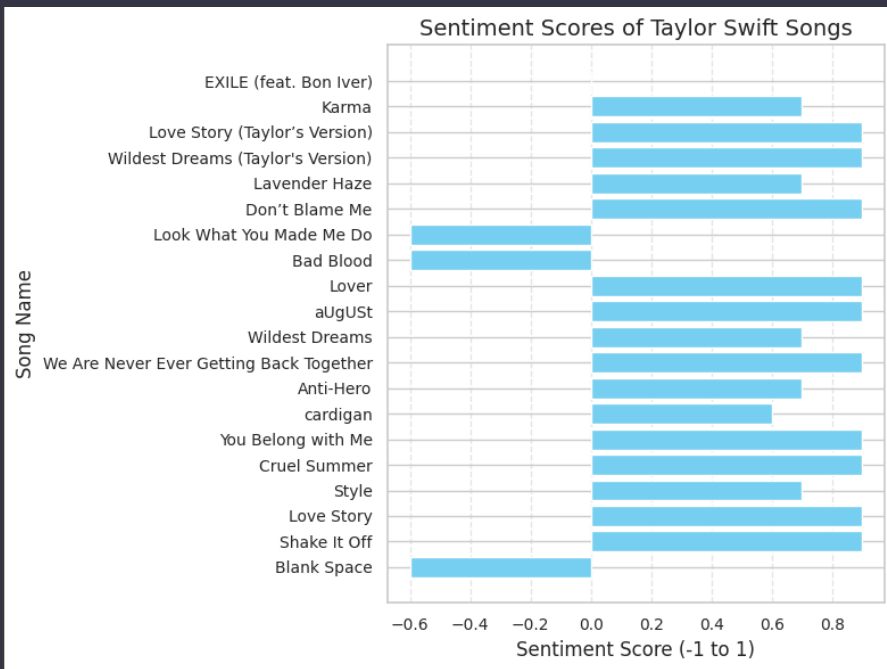
Data Collection: Open AI

Do number of words and sentiment impact a song's popularity?
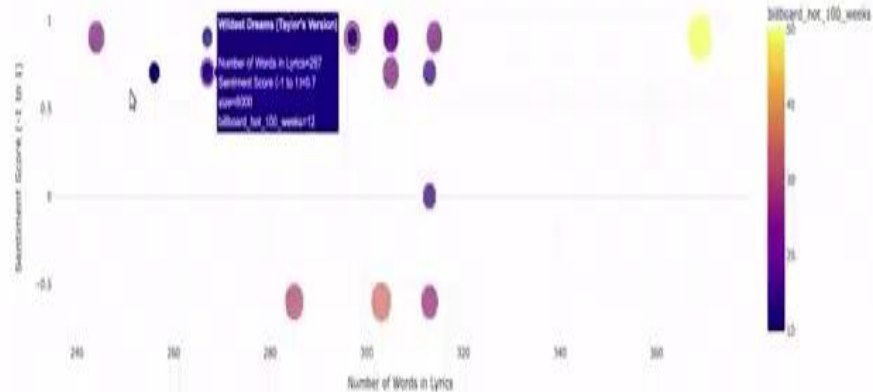
Data Collection: Open AI

Geographic Listening Analysis: Country Genres
(Americas)
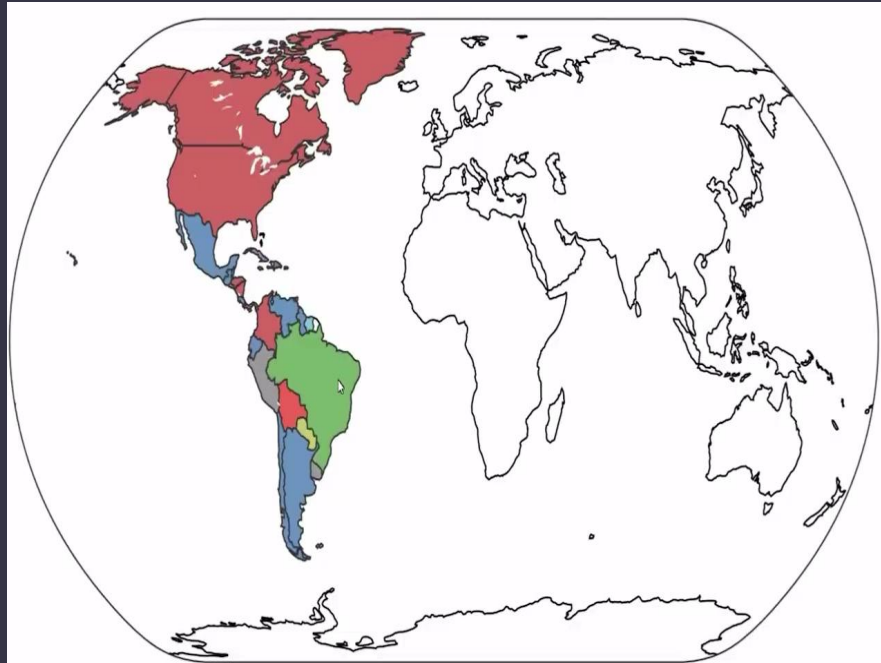
Data Collection: Billboard API

Billboard Hot 100™

1 →
Rockin' Around T ...
Brenda Lee

LAST WEEK	WEEKS AT NO.1	WEEKS ON CHART
1	2	55

2 →
All I Want For Chr...
Mariah Carey

LAST WEEK	PEAK POSITION	WEEKS ON CHART
2	1	62

3 ↑
Jingle Bell Rock
Bobby Helms

LAST WEEK	PEAK POSITION	WEEKS ON CHART
4	3	53

Billboard Hot 100 Songs

Show 10 entries

Search:

Song Name ▲	Weeks on Chart
3D	9
500lbs	11
A Holly Jolly Christmas	36
Agora Hills	11
All I Want For Christmas Is You	62
Bad Idea Right?	17
Blue Christmas	10
Burn It Down	7
But I Got A Beer In My Hand	8
Can't Catch Me Now	5

Showing 1 to 10 of 100 entries

Previous 1 2 3 4 5 ... 10 Next

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03

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https://c078-34-148-215-11.ngrok-free.app/

Future Enhancements

User Personalization

Connect with Apple Music or Spotify for personalized data.

Real-Time Data Updates

Explore options for real-time data updates from APIs.

User Interaction

Implement user interaction for custom queries and preferences.

Thank you!

Any questions?