Music trends proyect

📌 Project Objective

Analyze music trends on **Spotify** over the past years to identify:

- The most popular genres and artists.
- Factors influencing a song's success (tempo, duration, key, etc.).
- The evolution of musical trends over time.

🔍 Data Sources

- **Spotify API** ([Spotify for Developers](#)) → To extract song, playlist, and artist data.
- **Kaggle Datasets** ([Example](#)) → Some datasets contain historical Spotify data.

🛠️ Tools & Technologies

- **Python** (Pandas, Matplotlib, Seaborn) → Data analysis & visualization.
- **SQL** → If you decide to store data in a database.
- **Power BI / Tableau** → For interactive dashboards.

📊 Analysis Ideas

1. **Most Popular Artists & Genres** → Which genres have grown the most in popularity over the past 5 years?
2. **Characteristics of Hit Songs** → What tempo, duration, and key do the most popular songs have?
3. **Genre Evolution Over Time** → How has the popularity of pop, rock, reggaeton, etc., changed?
4. **Global vs. Local Comparison** → Are there differences between global hits and the top songs in a specific country?

🚀 Extra: To Make It More Interesting

- **Machine Learning:** Build a model to predict whether a song will be a hit based on its features.
- **Interactive Dashboards:** A **Power BI** dashboard with filters by genre, artist, and country.
- **Sentiment Analysis:** Extract song lyrics and analyze how "happy" or "sad" today's hits are.