Spotify Dashboard

**📌 Business Requirement**

Spotify stakeholders (music analysts, playlist managers, and marketing teams) need a **consolidated dashboard** to monitor song and artist performance across different dimensions.

Based on the screens provided, the business requires:

1. **Overview Page**
   * Track KPIs like **Total Songs, Distinct Artists, Average Popularity, Avg Duration**.
   * Compare **Explicit vs Non-Explicit Songs** and see their share.
   * Analyze **Songs by Album Type** (single, album, compilation).
   * View **Distinct Songs and Avg Popularity by Year**.
   * Trend analysis of **Avg Popularity & Distinct Songs by Month**.
   * Highlight **Top Songs & Top Artists by Popularity**.
2. **Artist Page**
   * Show **Top Artists by Popularity**.
   * Compare **Tracks per Album** and **Songs by Artist**.
   * Provide drill-down to artist-level data (songs, release date, avg popularity, avg position, duration).
   * Support identifying artists with **consistent hits and #1 positions**.
3. **Songs Page**
   * Rank **Top Songs by Popularity**.
   * Show **Tracks per Song (Album/Single distribution)**.
   * Compare **Songs by Song Count**.
   * Provide detailed table with **song name, release date, distinct artists, avg popularity, position, duration per year**.

**📌 Problem Statement**

Currently, Spotify’s raw “Top 50” dataset is limited to lists and rankings, making it difficult for stakeholders to **see patterns and take insights quickly**.

From the screens, the key problems solved are:

* **No clear KPI monitoring** → Dashboard provides quick summary of total songs, artists, popularity, duration, etc.
* **Lack of explicit vs non-explicit analysis** → Users can compare how explicit songs perform vs non-explicit.
* **Difficulty in tracking song/album distribution** → Visuals show breakdown by album type and release year.
* **Trend visibility missing** → Popularity and distinct songs trends are shown over time (monthly & yearly).
* **Artist vs Song level insights not connected** → Drill-down pages for Artists and Songs connect overview insights to detailed records.
* **Decision-making gaps** → Marketing and curation teams can now identify which artists/songs to promote, trends to follow, and which content resonates with audiences.

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