Data Set Attributes:

1. Column Name: **ID**
    a. Data Type: INT
    b. Range: N/A
    c. Description: Song Number
2. Column Name: **Title**
    a. Data Type: String
    b. Range: N/A
    c. Description: Title of Song
3. Column Name: **Rank**
    a. Data Type: INT
    b. Range: N/A
    c. Description: Rank where the song lies in the charts
4. Column Name: **Date**
    a. Data Type: Date
    b. Range: 2016- 12-31 to 2021-12-30
    c. Description: Date when song charted
5. Column Name: **Artist**
    a. Data Type: String
    b. Range: N/A
    c. Description: Name of the singer
6. Column Name: **URL**
    a. Data Type: String
    b. Range: N/A
    c. Description: URL song
7. Column Name: **Region**
    a. Data Type: String
    b. Range: N/A
    c. Description: Country where that song is currently charting.
8. Column Name: **Chart**
    a. Data Type: Category
    b. Range: Top200, Top50
    c. Description: Where that song is currently located in the charts
9. Column Name: **Trend**
    a. Data Type: Category
    b. Range: SAME_POSITION, MOVE_UP, MOVE_DOWN
    c. Description: If that song has moved up or down or stayed the same in charts.
10. Column Name: **Streams**
    a. Data Type: INT
    b. Range: 1000 to 19.7 Million
    c. Description: Count of number of streams per song
11. Column Name: **Track_id**

    a. Data Type: INT (Unique Identifier)
    b. Range: N/A
    c. Description: Songs Unique ID
12. Column Name: **Album**
    a. Data Type: String
    b. Range: N/A
    c. Description: Album where the song belongs to
13. Column Name: **Popularity**
    a. Data Type: INT
    b. Range: 1- 100
    c. Description: A measure of the track's popularity, typically based on factors like number of streams, downloads, and listener
14. Column Name: **Duration_MS**
    a. Data Type: INT
    b. Range: 0 – 9.32 Million
    c. Description: The duration of the track in milliseconds.
15. Column Name: **Explicit**
    a. Data Type: Categorical
    b. Range: True, False, Null
    c. Description: Indicates whether the track contains explicit content (1 for explicit, 0 for not explicit).
16. Column Name: **Release_Date**
    a. Data Type: Date
    b. Range: N/A
    c. Description: Date when track was released
17. Column Name: **Available Markets**
    a. Data Type: Array
    b. Range: N/A
    c. Description: The markets where the track is available for streaming.
18. Column Name: **Af_danceability**
    a. Data Type: INT
    b. Range: 0-100
    c. Description: A metric representing how suitable a track is for dancing, based on elements like tempo, rhythm stability, beat strength, and overall regularity.
19. Column Name: **Af_energy**
    a. Data Type: INT
    b. Range: 0 to 1
    c. Description: A measure of the intensity and activity of a track.
20. Column Name: **af_key**
    a. Data Type: INT
    b. Range: 0 to 1
    c. Description: A measure of the intensity and activity of a track.

21. Column Name: **Af_loudness**
    a. Data Type: Category
    b. Range: 0 or 1
    c. Description: The overall loudness of the track in decibels (dB).
22. Column Name: **Af_mode**
    a. Data Type: Category
    b. Range: 0 or 1
    c. Description: Indicates whether the track is in a major (1) or minor (0) key.
23. Column Name: **Af_speechness**
    a. Data Type: INT
    b. Range: 0 to 1
    c. Description: Detects the presence of spoken words in the track (e.g., rap or spoken poetry).
24. Column Name: **af_acousticness**
    a. Data Type: INT
    b. Range: 0 to 1
    c. Description: A measure of the acoustic characteristics of the track, where 0 represents high confidence that the track is not acoustic and 1 represents high confidence that it is.
25. Column Name: **af_instrumentaless**
    a. Data Type: Category
    b. Range: 0 or 1
    c. Description: Predicts whether a track contains no vocals, where 1 indicates high confidence that the track is instrumental.
26. Column Name: **af_liveness**
    a. Data Type: INT
    b. Range: 0 to 1
    c. Description: Detects the presence of an audience in the recording.
27. Column Name: **af_valence**
    a. Data Type: INT
    b. Range: 0 to 1
    c. Description: Describes the musical positiveness of the track, where high values represent positive valence (e.g., happy, cheerful) and low values represent negative valence (e.g., sad, depressed).
28. Column Name: **af_tempo**
    a. Data Type: INT
    b. Range: 0 to 238
    c. Description: The tempo of the track in beats per minute (BPM).
29. Column Name: **af_time_signature**
    a. Data Type: Categorical
    b. Range: 0 to 5
    c. Description: The time signature of the track, indicating the number of beats in each bar and the type of note that receives one beat.