* ***Fact Table***:

1. *fact\_track\_features:*
   * Columns: track\_id, danceability, energy, key, loudness, mode, speechiness, acousticness, instrumentalness, liveness, valence, tempo

* ***Dimension Tables***:

a. *dim\_album*:

* + Columns: album\_id, album\_name, release\_date, cover\_art

b. dim\_artists:

* + Columns: artist\_id, artist\_name

c. dim\_tracks:

* + Columns: track\_id, album\_id, track\_name, album\_name

d. dim\_genre:

* + Columns: genre\_key, genres

e. dim\_date:

* + Columns: date\_key, datetime, date\_added, time\_added, timezone
* ***Bridge Tables***:

*a. dim\_track\_artist\_bridge:*

* + Columns: track\_id, artist\_id

*b. dim\_artist\_genres\_bridge:*

* + Columns: artist\_id, genre\_key

*c. dim\_track\_genre\_bridge:*

* + Columns: track\_id, genre\_key
* **df\_master** - This is a master data frame that contains all of the data from the original CSV files.
* **df\_features** - This data frame contains the track features, such as danceability, energy, and key.
* **df\_album** - This data frame contains the album information, such as the album name, release date, and cover art.
* **df\_artists** - This data frame contains the artist information, such as the artist name and ID.
* **df\_tracks** - This data frame contains the track information, such as the track name, album ID, and artist ID.
* **df\_track\_artist\_bridge** - This data frame is a bridge table that contains the track ID, artist ID, and song name.
* **df\_artist\_genres** - This data frame contains the artist ID, artist name, and genre.
* **df\_artist\_genres\_bridge** - This data frame is a bridge table that contains the artist ID and genre.
* **df\_track\_genre\_bridge** - This data frame is a bridge table that contains the track ID, artist ID, and genre.
* **df\_date** - This data frame contains the date and time that the track was added.