

Query data for following details using pandas, seaborn, matplotlib packages

- Display details of the songs that have popularity above 80
- Which is having maximum length, beats per minute?
- Which is having minimum length, beats per minute?
- Create new column <track_name_length> to store string length
- Create new column <Artist_first_name> to store first name of each artist
- How many songs from “dance pop” genre?
- What is average length for each genre?
- What is average length for each artist?
- What is maximum length for each genre?
- What is average length for each artist?
- How many songs share same popularity?
- Rank each song based on popularity.
- Rank each song based on danceability.
- Average, Maximum, Minimum, standard deviation of each column
- Average, Maximum, Minimum, standard deviation of each row
- Add a new column <length_variance> where each row will represent difference between row value and mean of the each genre group.
- Take log transform on Loudness DB and add as <log_loudness_db> column
- Visualize if there is linear correlation between beats per minutes and popularity, danceability and popularity, energy and popularity
- What is distribution of popularity with respect to energy
- What is distribution of popularity with respect to beats. Per minute
- Are there any outliers in popularity, danceability, beats per minute?
- Visual each artist distribution
- Visual each track name distribution
- Visual each genre distribution
- Visual artist, track, genre distribution using subplots