**Observations**

* **by using shape we got to know the data contains how many rows and columns(1159764, 20).**
* **We also find there are total 15 null values and we drop those columns.**
* **Pairplot shows how features relate (linear, curved, clusters).**
* **Heatmap shows which features are strongly correlated (values close to +1 or -1).**
* **Histogram Identify skewness: right-skewed, left-skewed, normal distributions.**
* **Find which features have outliers.**
* **Boxplots show the spread, median, and outliers in the data.**
* **Useful for spotting unusual points in features like popularity, energy, danceability.**

**Final summary:-**

**Some features (like loudness and energy) are highly positively correlated.**

**- Popularity seems related to danceability and energy to some extent.**

**- Some features like tempo, duration may not have strong correlations.**

**- Presence of outliers detected in features like loudness and duration.**

**- Distributions are generally skewed; feature engineering might be needed for modeling.**