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Midterm Project II

Title: Behind the Beats: The Untold Stories Behind 2023's Hottest Spotify Hits

Research Question: Can we predict the number where a song charts on sportify utilizing various features that describe a song?

Project Goal: Identify what song attributes contribute to song's success on Spotify charts

Classification Models: Logistic Regression and K-Nearest Neighbors

Data source: https://www.kaggle.com/datasets/nelgiriyewithana/top-spotify-songs-2023/data

Expected Outcomes:

The Spotify charts are based upon the number of streams a song has, number of unique listeners, rate of songs being added to playlists, skip rate, and the save rate. Our data set has information on the number of streams a song has in 2023, musicality of the song (BPM, danceability, etc.), and number of playlists adds etc. We believe that the features in our data set can predict the location of where a song will chart. We are predicting if a song charts into 4 different categories: did not chart; top 50 – 100; top 25- 50; top 25. We believe that streams will be one of the most informative features meaning that songs with a high number of streams will be in the top 25.