03_killer_graph.Rmd

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This project aims to create a statistical analysis of the spotify data from tidytuesday, which contains various features of songs such as danceability, energy, tempo, and loudness. These features provide valuable insights into the audio characteristics of popular music. Using this dataset, we aim to explore relationships between different audio features and uncover patterns in song popularity, genre trends, and listener preferences. The final output inclues a "killer graph" that highlights key findings in how tempo contribute to the popularity of songs on the Spotify platform. The main object is finding key elements among different songs to find what contributes to the popularity of a song.
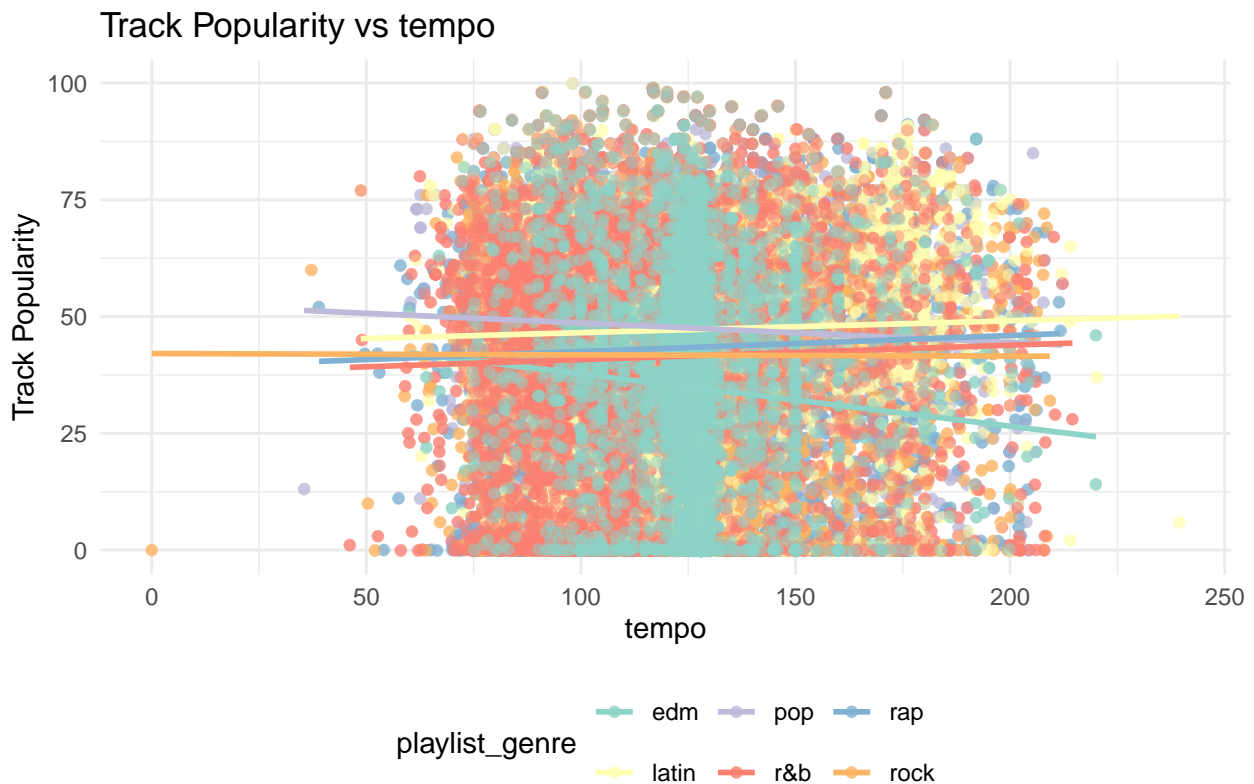

Figure 1: The tempo for each genre of music vs. the popularity values

Discussion

The hypothesis that I can test is that whether the tempo affects the popularity and what other features of the music have more or less effects.