INTRODUCTION TO DATA SCIENCE
FINAL PROJECT

The Trend of Music

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Content –

INTRODUCTION

Goal:
- See the preference of music this year.
- Understand the trend of the music over time.
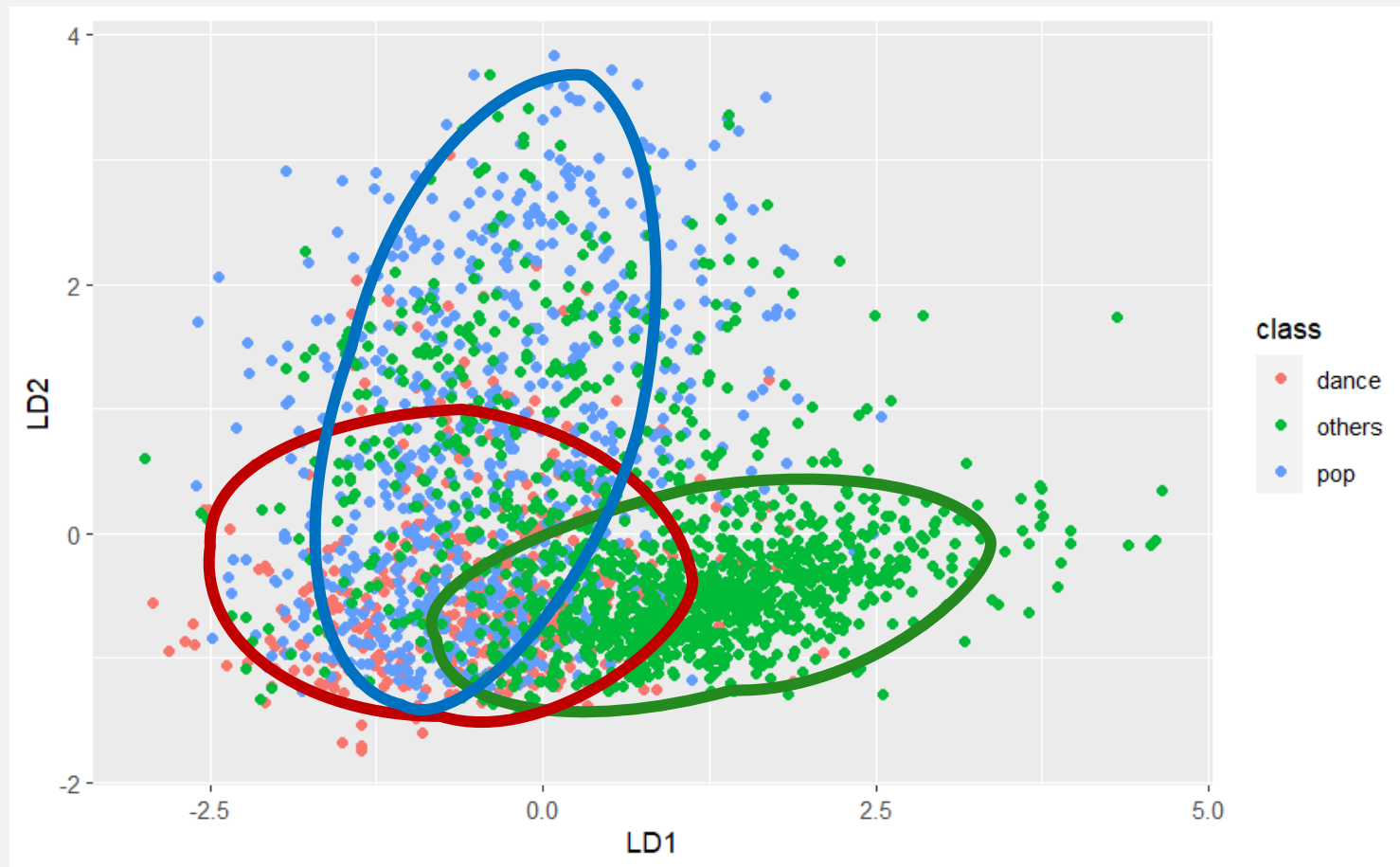
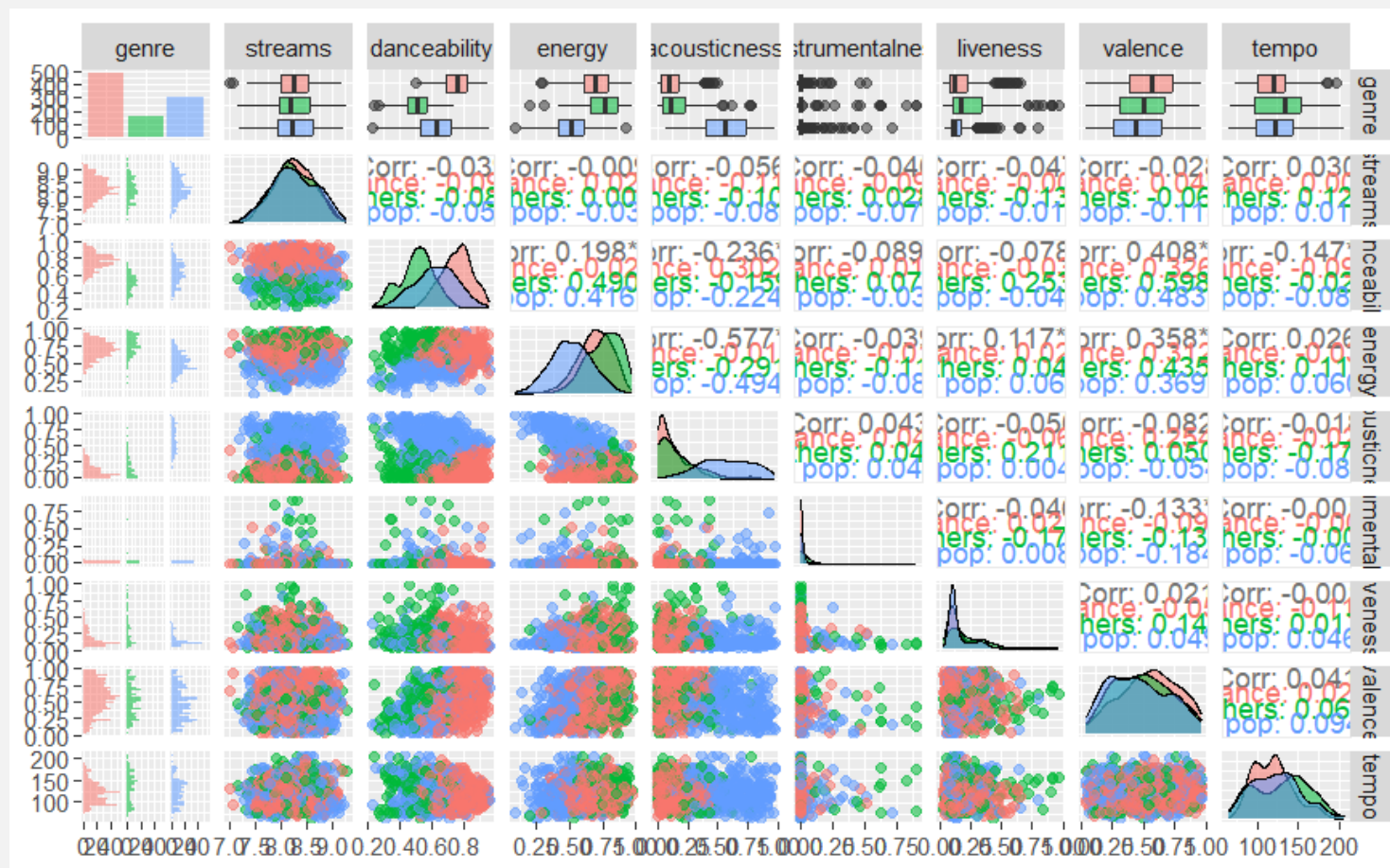Dataset:
- Spotify (genre, stream count, song attributes, …)

GENRE CLASSIFICATION – INTRO

- Using linear discriminant analysis to classify different genres (pop, dance, others)
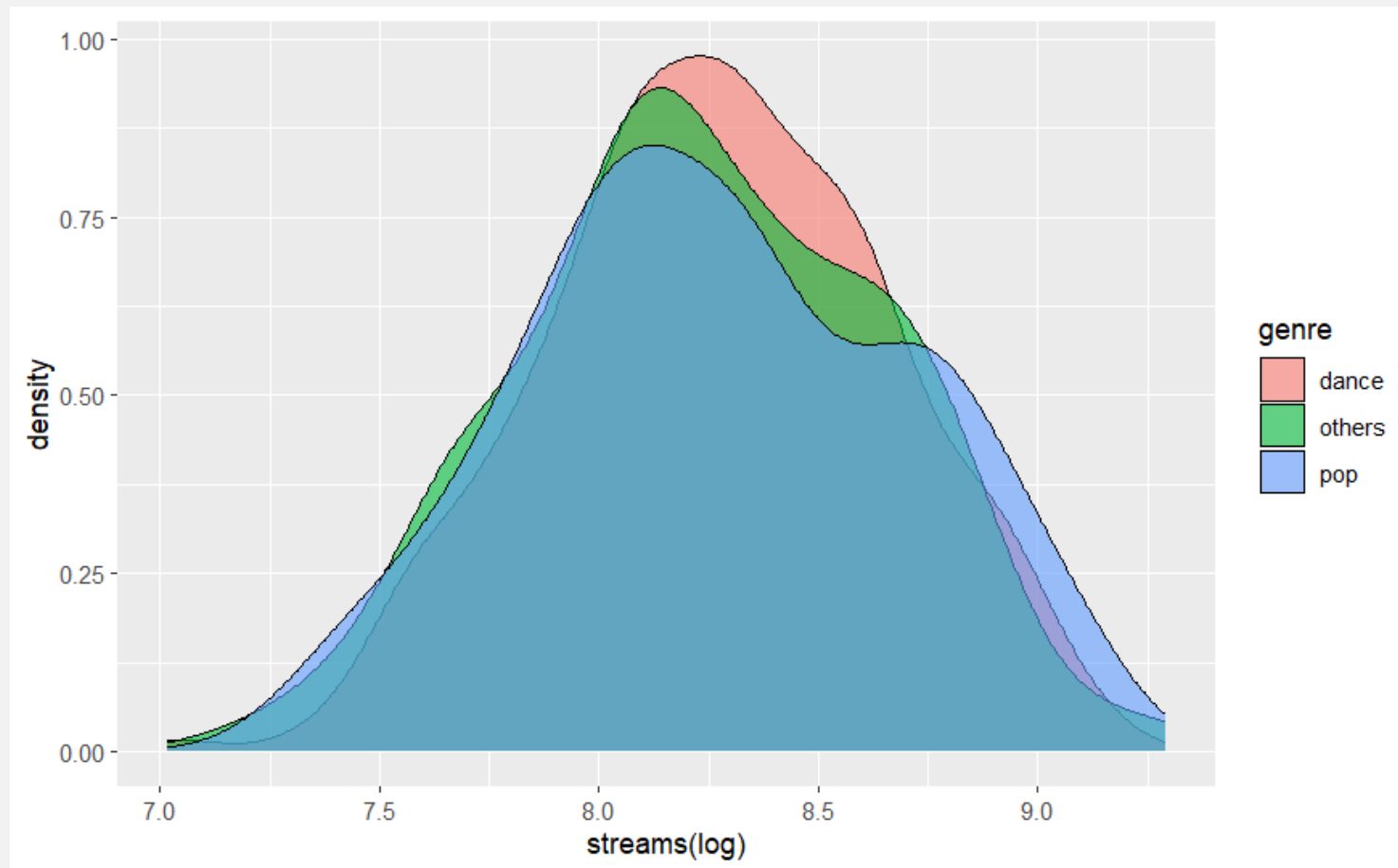
- Useful for later analysis (regression, trend)
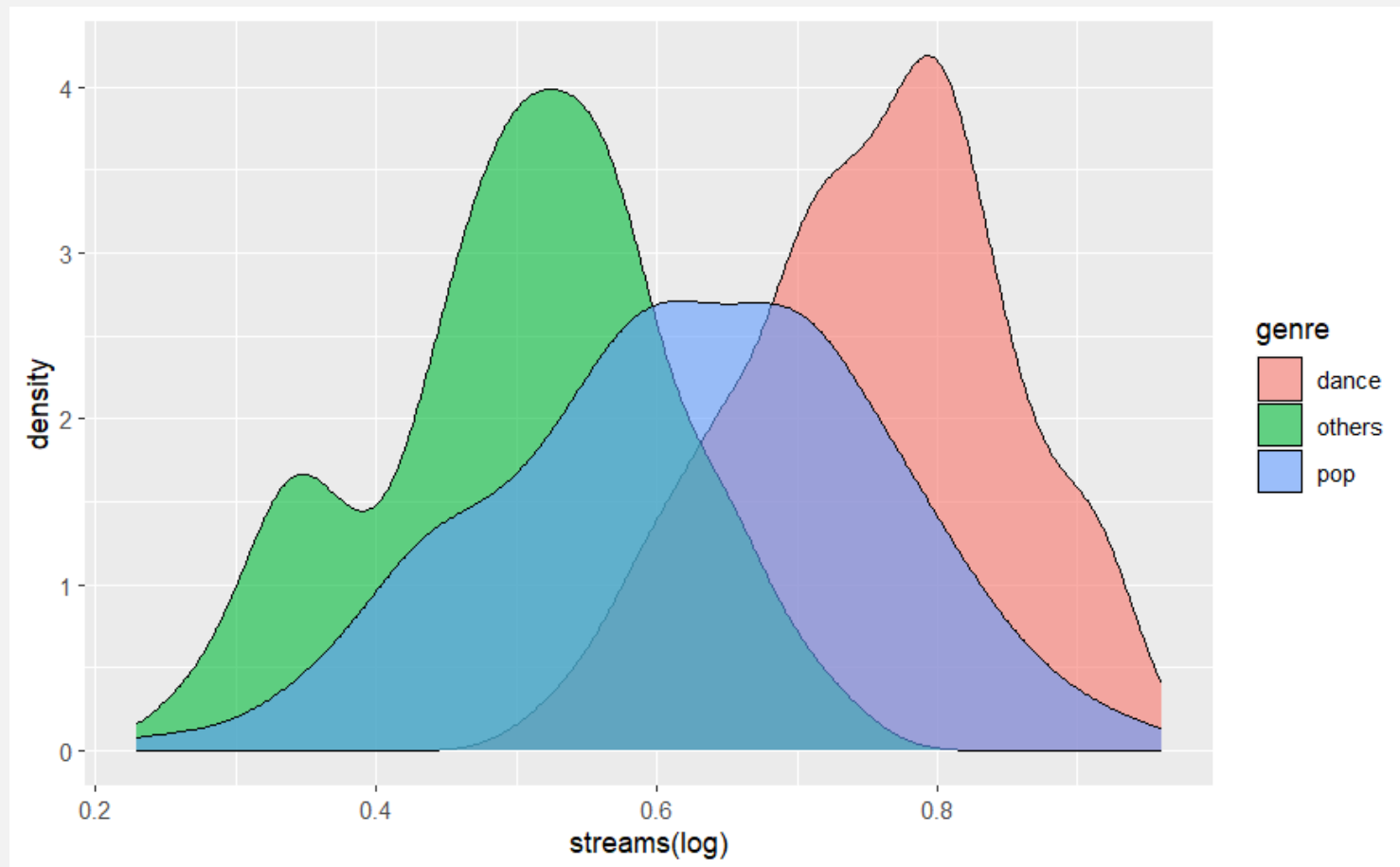
GENRE CLASSIFICATION – RESULT

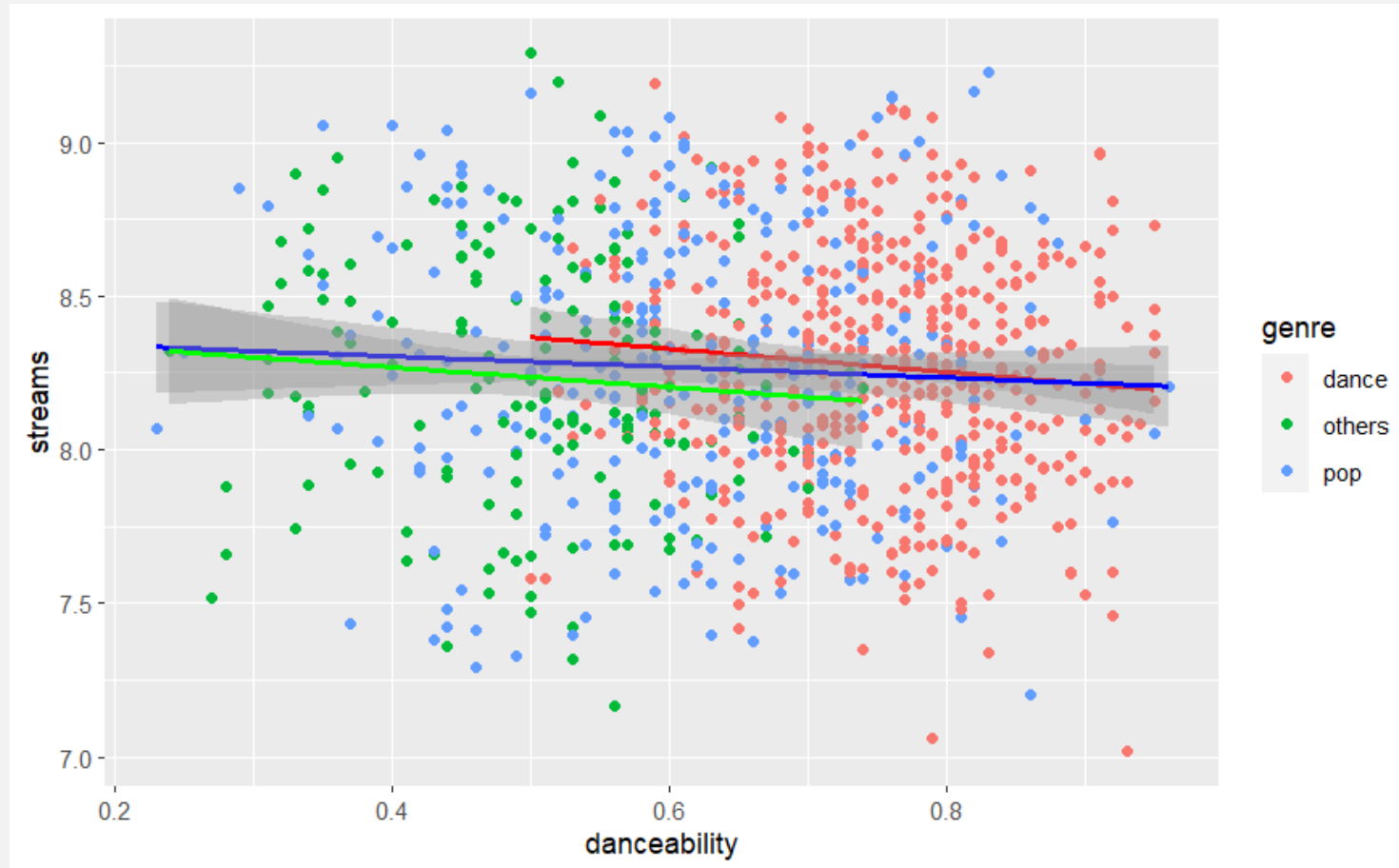# GENRE CLASSIFICATION – RESULT

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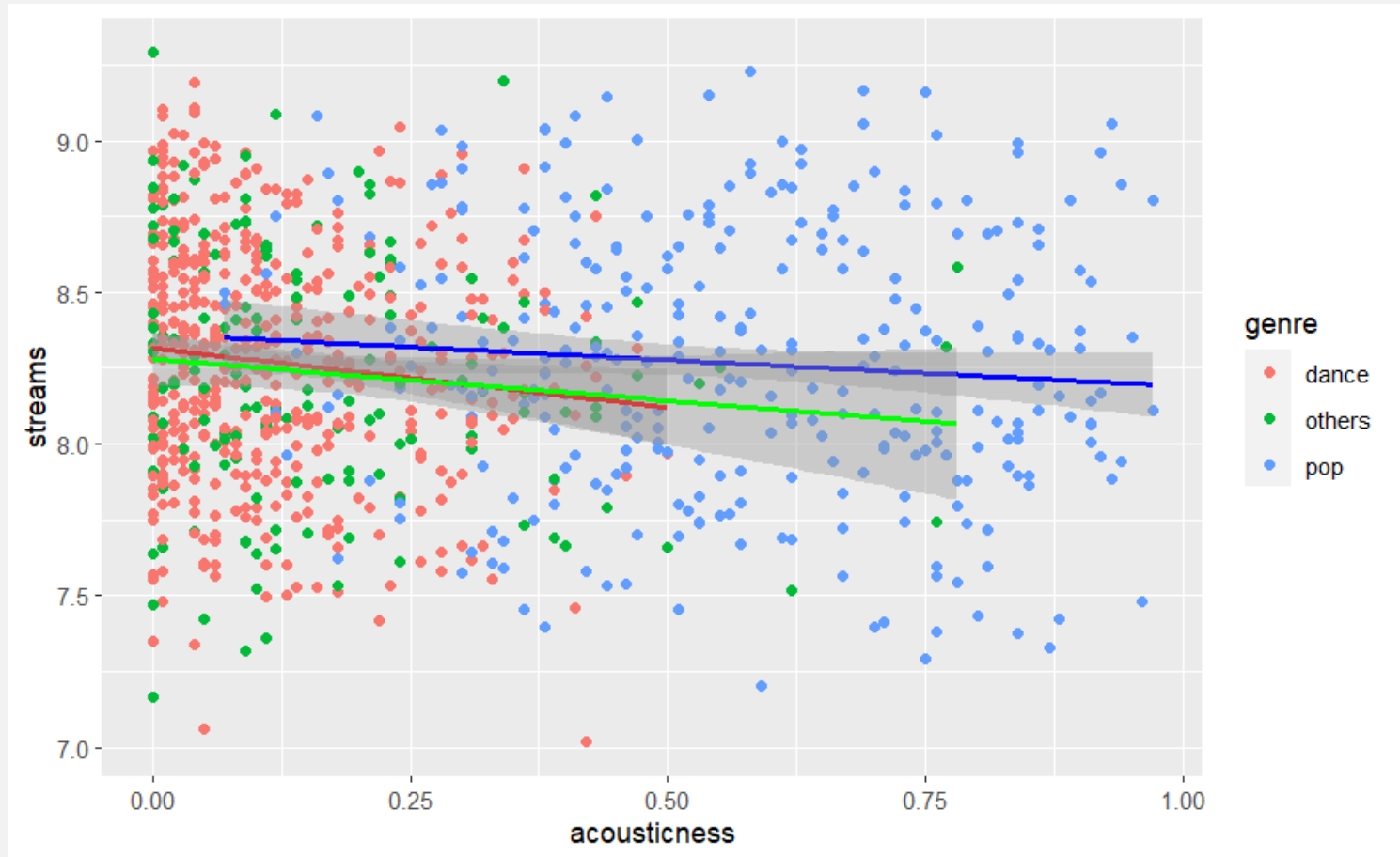# POPULARITY REGRESSION – INTRO

- See the preference of music for this year using linear regression

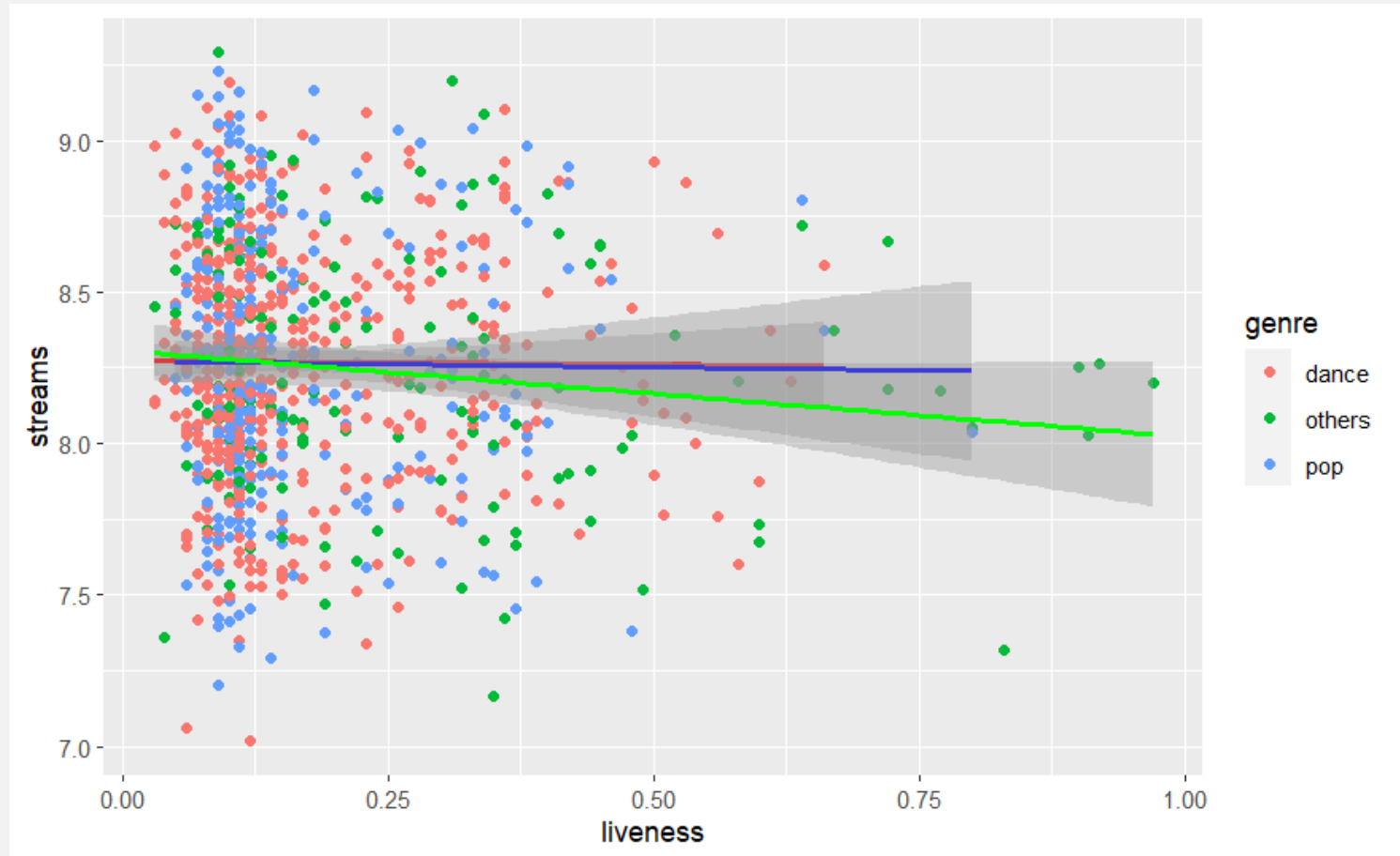- Include the previous classification model to show more detail

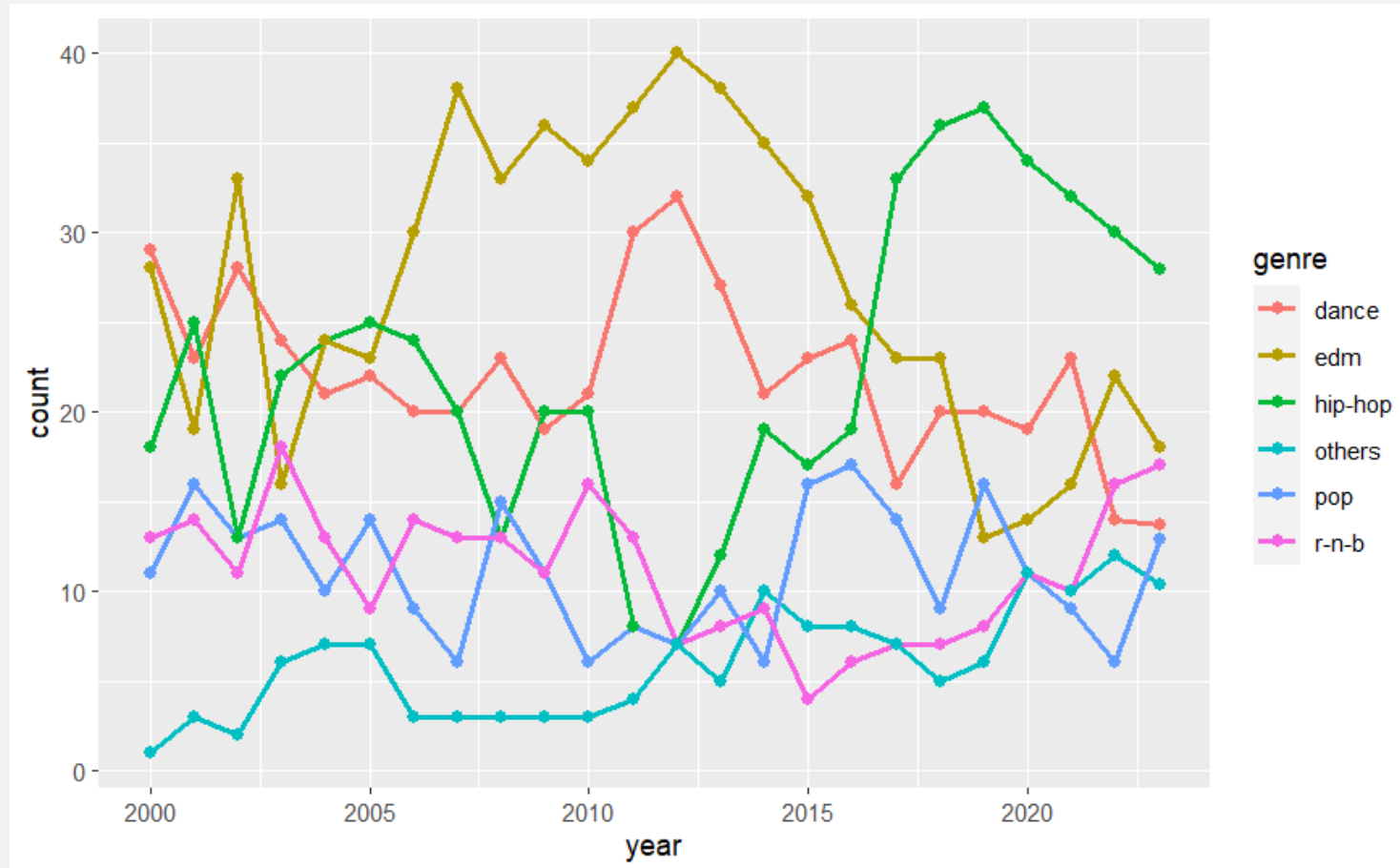# POPULARITY REGRESSION – RESULT

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TREND OBSERVATION– INTRO

- Observe the trend of music from 2000 to 2023 with classification
- Separate the songs into 6 genres instead of 3

TREND OBSERVATION – RESULT

REFERENCE

1. Most Streamed Spotify Songs 2023

   https://www.kaggle.com/datasets/rajatsurana979/most-streamed-spotify-songs-2023

2. Spotify Tracks Genre

   https://www.kaggle.com/datasets/thedevastator/spotify-tracks-genre-dataset

3. Spotify Top Hit Playlist (2000-2022)

   https://www.kaggle.com/datasets/josephinelsy/spotify-top-hit-playlist-2010-2022