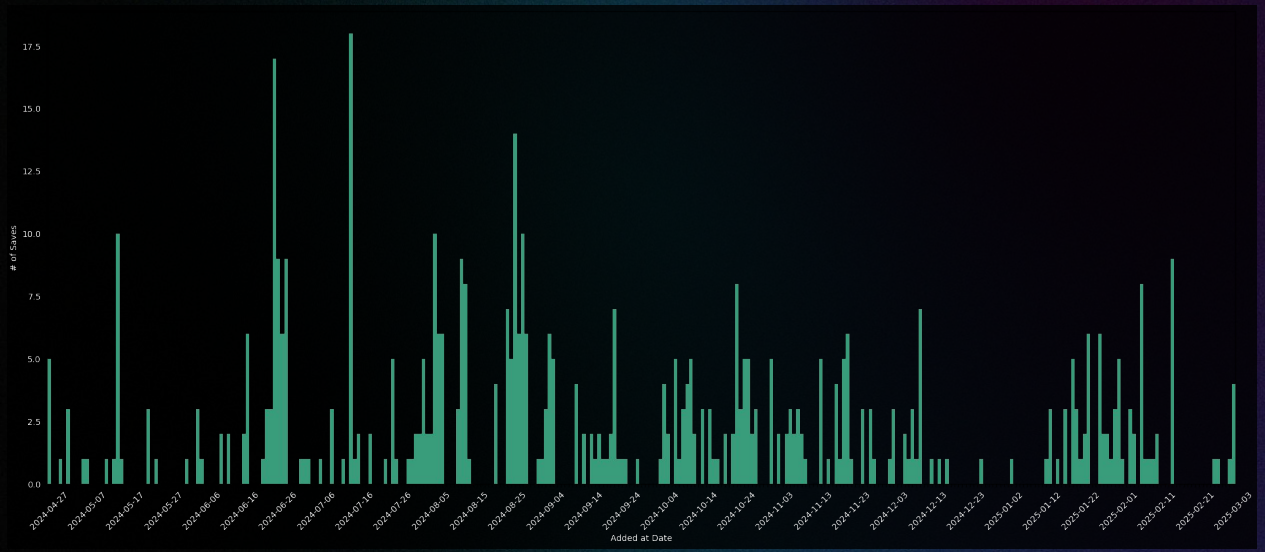
INVESTIGATING MY SPOTIFY LIBRARY

SEEKING USER STORY INSIGHTS IN MY SAVE HISTORY

JACQ HORIZON

DATA OVERVIEW

- Used Spotify Web API to get last 500 saved songs, spanning April 27th, 2024 to March 3rd, 2025 (311 days)
- Half of the days I saved 0 songs



317
ARTISTS

441
ALBUMS

2
AVERAGE SAVES PER DAY

18
MAX SAVES IN A DAY

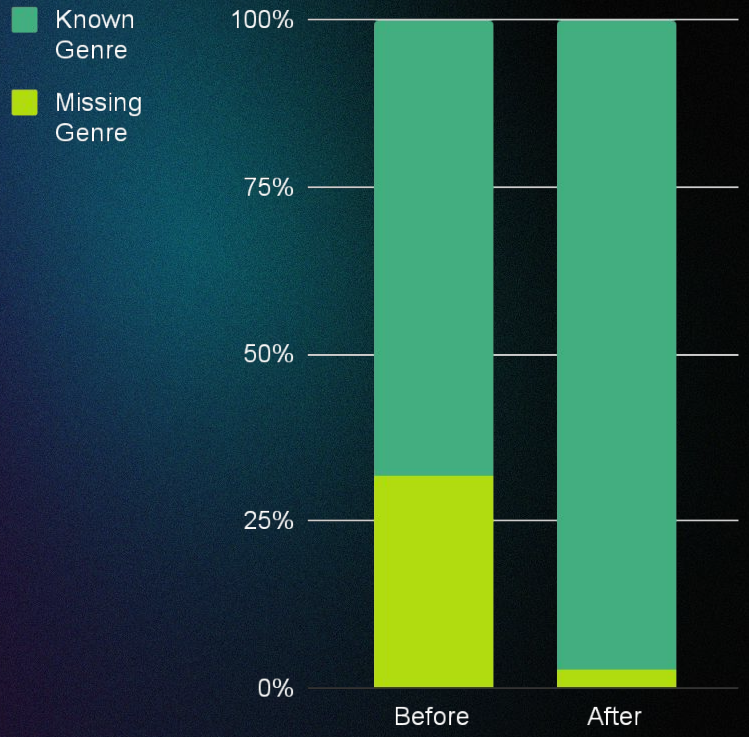
DATA LIMITATIONS

GENRES

- 31.86% of genre data was missing
- Used LastFM API to fill missing genres
- However, LastFM's genre data was hyper-specific and frequently inaccurate due to user input
- Resulted in a lot of manual data cleaning and ultimately not very useful genre data

UNAVAILABLE DATA

- Listening history
- Source of save (Search, playlist, etc)



USING MY SPOTIFY LIBRARY DATA, WHAT ATTRIBUTES DEFINE MY USER STORY?

DATE

Which day of the week do I save the most songs?
Are there months or weeks where I am more actively discovering new music or is it consistent?

TIME

What time of day do I save the most songs?
Are there different patterns of time of day depending on the day of the week?

RELEASE YEAR

Do I have a preference for recently released music?
Do I usually save new music soon after it is released?

GENRES

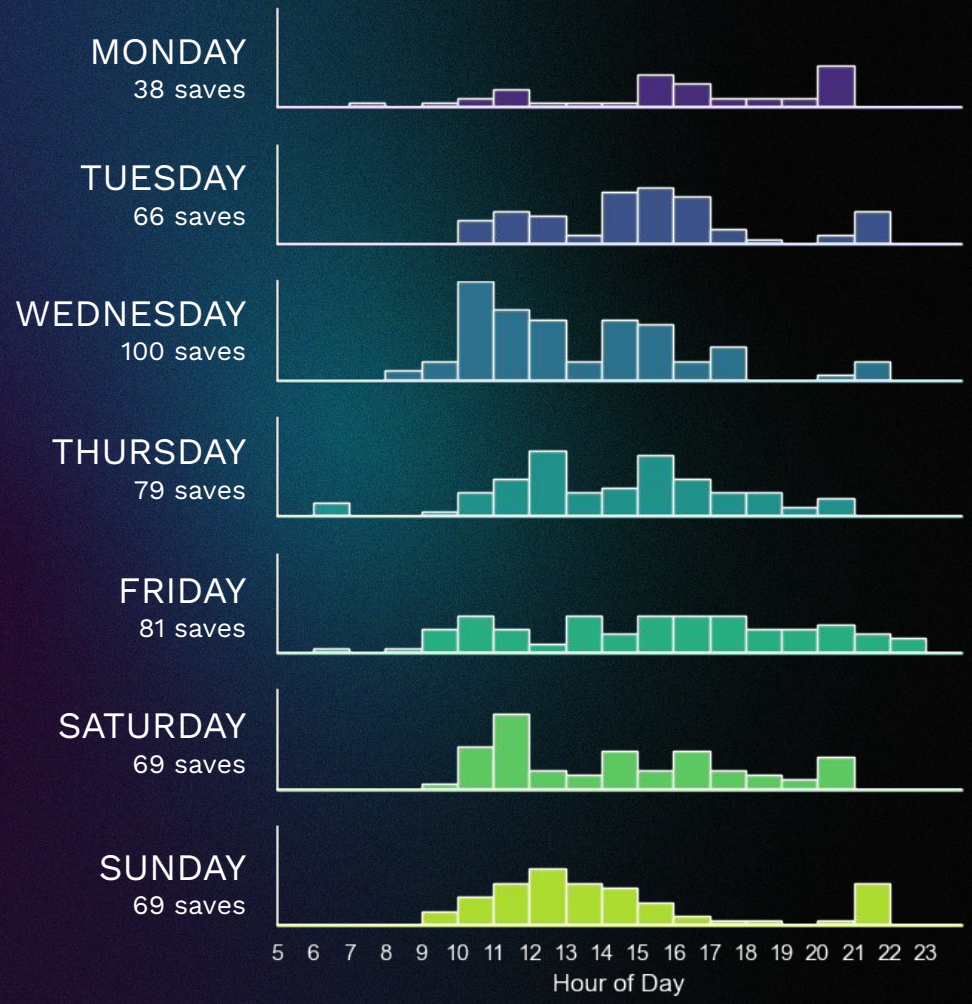
Despite the genre data being widely varied, are there any patterns in genre?
Does genre correlate with any other attributes?

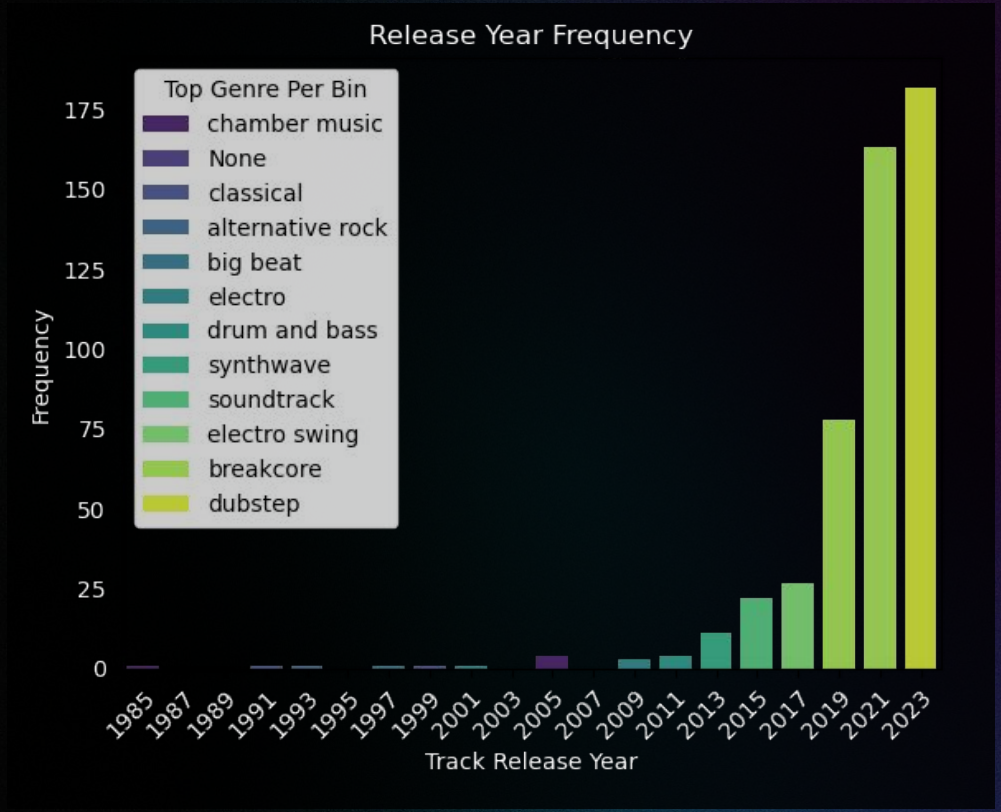
DAY OF THE WEEK

- Most saves: Wednesdays 10am
- Mid week slump

- Notable dip: Tuesday and Wednesday 6pm to 8pm
- Class hours

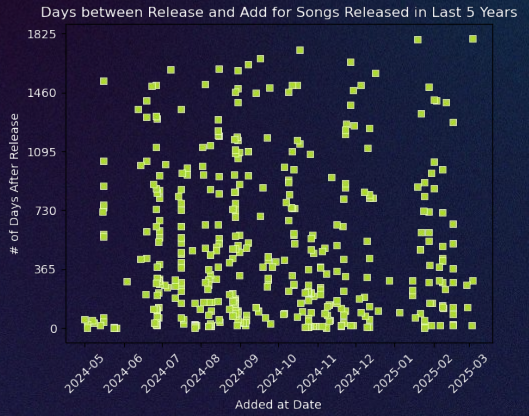
- Only one song saved outside of 5am to 11pm (cropped from graph)
- Consistent sleep schedule

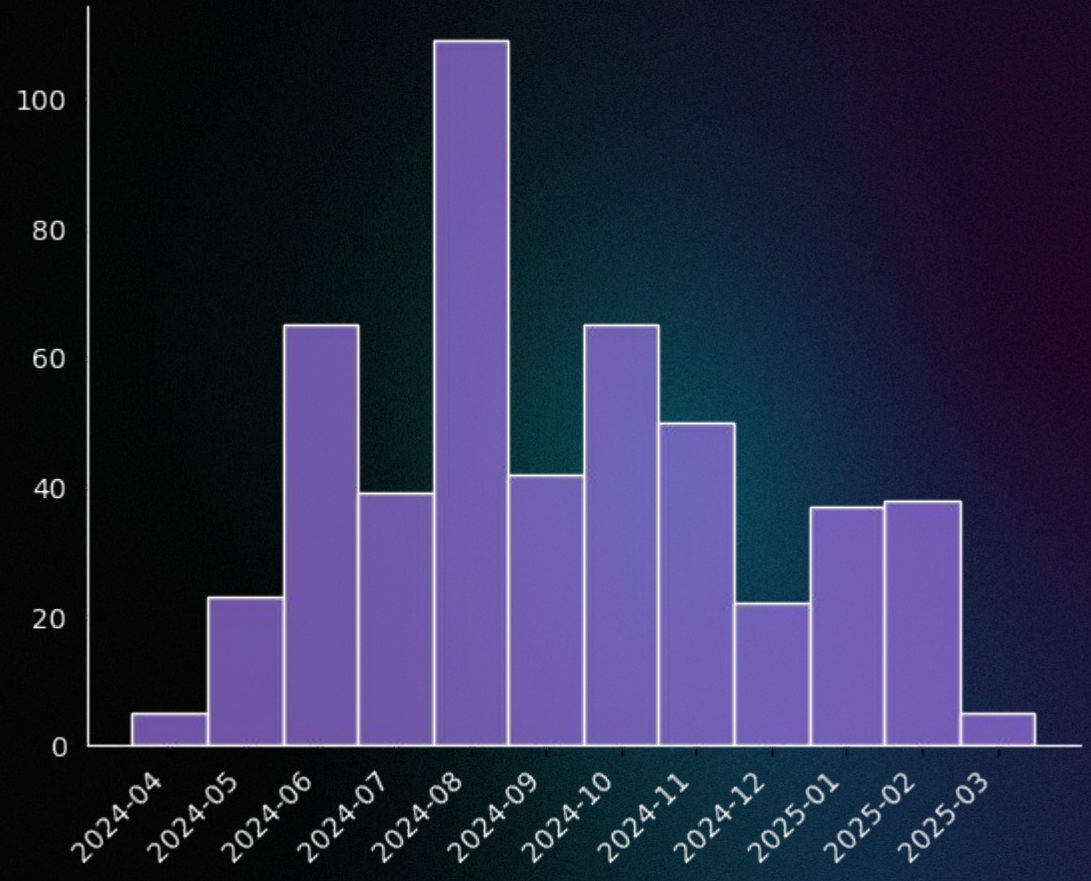




RELEASE YEAR

- Majority of songs (84.6%) were released in the last 5 years
- Left skew may be a result of the data set time frame (April 27th, 2024 to March 3rd, 2025)
- Outlier songs in the 80s and 90s are mostly orchestral music or music I heard on the radio





MONTH

- Top month: August with 109 saves
- Follow by October and June with 65 songs each
- Peak in summer: listening through albums before seeing an artist live or discovering new music on road trips
- Dip in winter: busy with school

TAKEAWAYS

THINGS I WOULD DO DIFFERENTLY

- Plan more structure before exploratory data analysis
- Organize notebook differently

NEXT STEPS

- Use existing analysis to create future predictions
- Pull data from other people’s libraries to compare trends
- Pull larger range of data to compare year over year
- Research other sources of music related data, especially for genres