

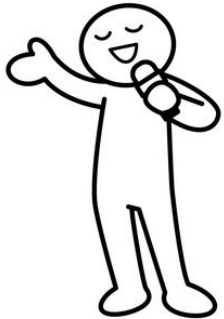
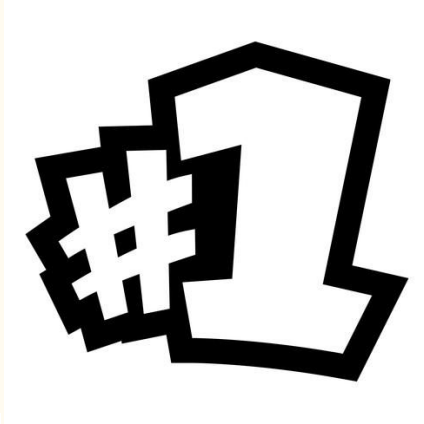


# Spotify Charts Analysis

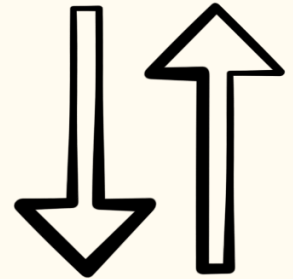
—

By: Liam McChesney

# Abstract/Questions



- Region
- Chart
- Artist
- Rank
- Popularity
- Trend



## Prior Work

Angela Cottini did some work on the spotify Top 200 chart from 2020-2021. She focused on most frequent artists, song length, songs that stayed on the chart the longest, and release year. Her analysis does some work to find trends with the artist research. One interesting thing she found is that the number of times a song appeared on the Top 200 list was not correlated well with the number of followers the artist had.

<https://rpubs.com/arcottini/821526>

Reika Fujimura did analysis on what musical elements are different on a yearly basis between the songs on the Top 200 list.

<https://www.reikafujimura.com/post/spotify-music-analysis>



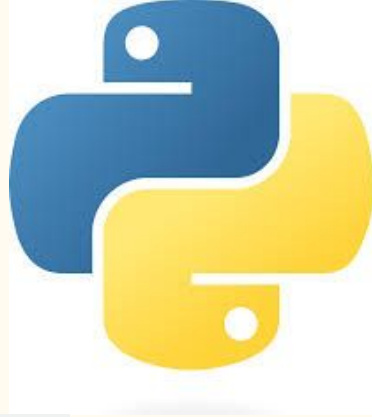
## Spotify Charts(All Audio Data)

26,000,000

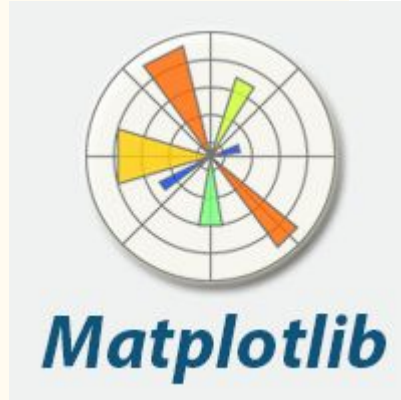
**Link:**

<https://www.kaggle.com/datasets/sunnykakar/spotify-charts-all-audio-data>

# List of Tools



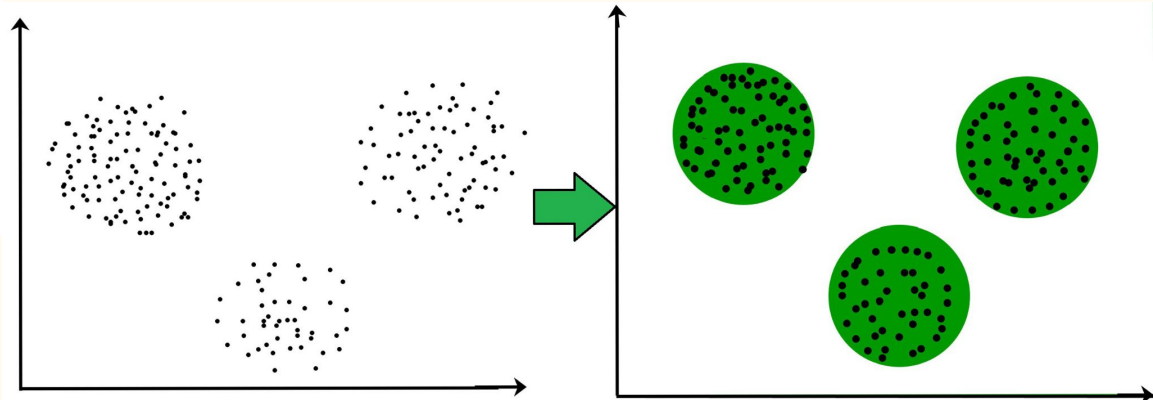
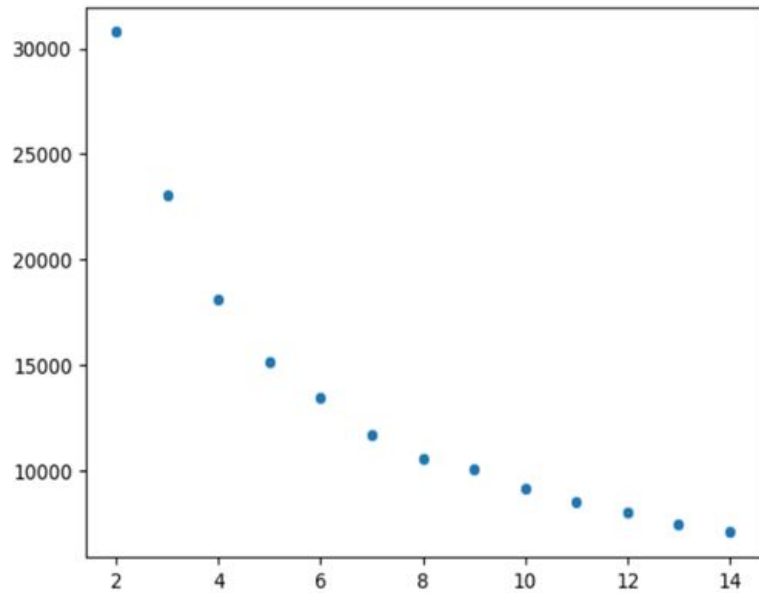
seaborn



Visual Studio Code

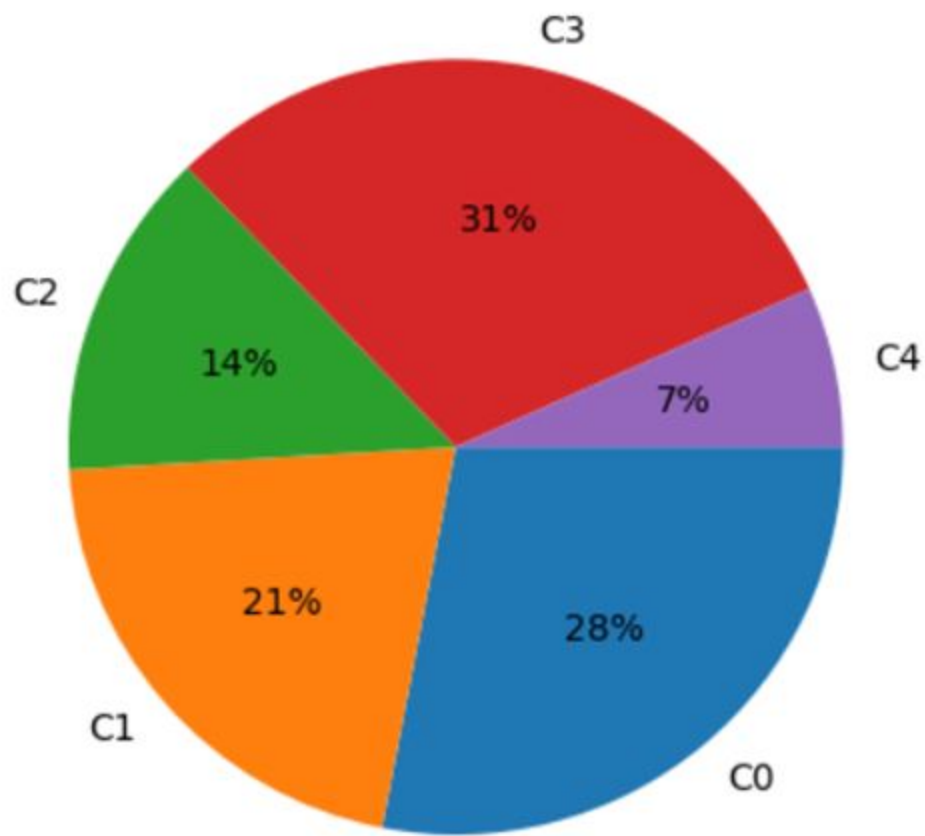


# Data Preparation



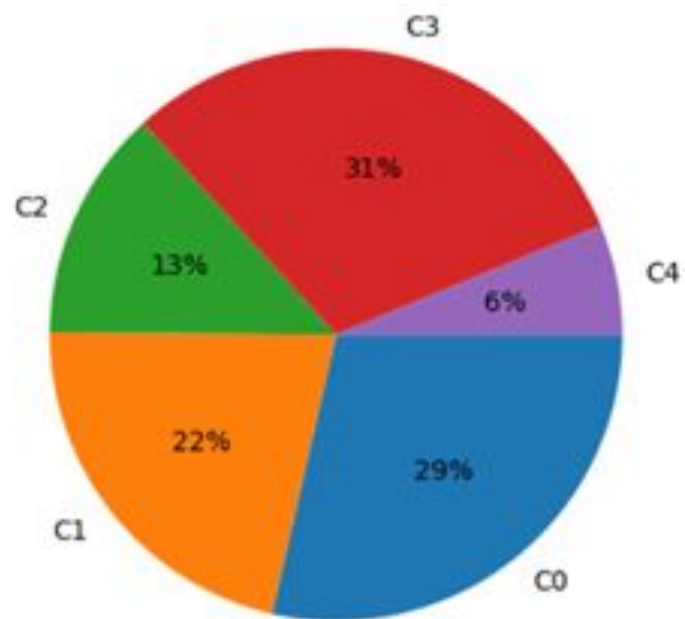
# Results

Occurrences of Each Cluster

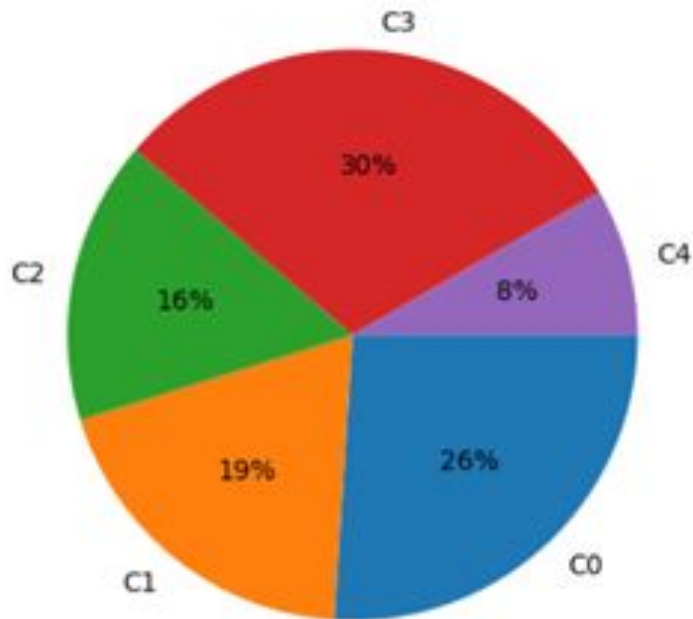




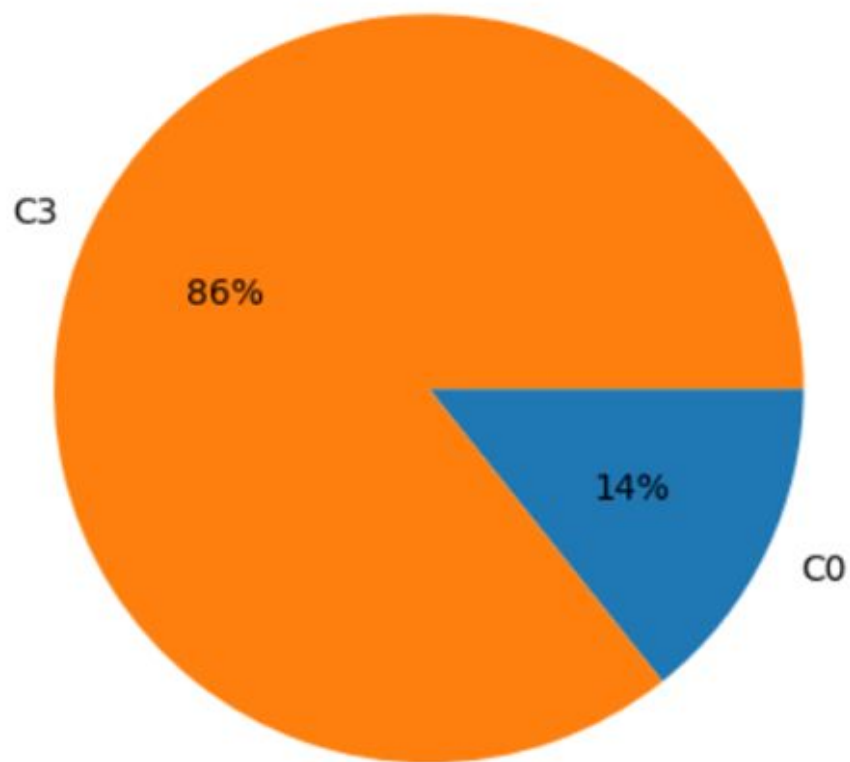
Top 200 Cluster Breakdown



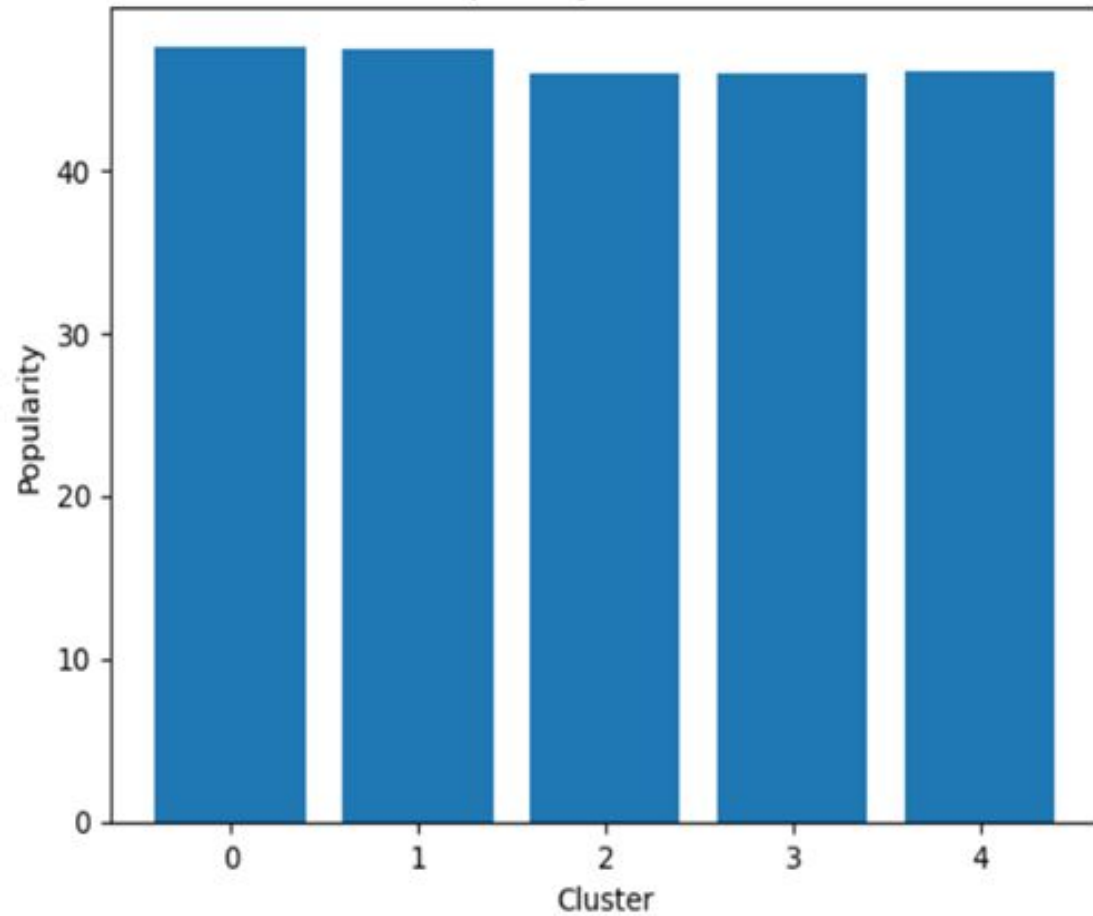
Viral 50 Cluster Breakdown



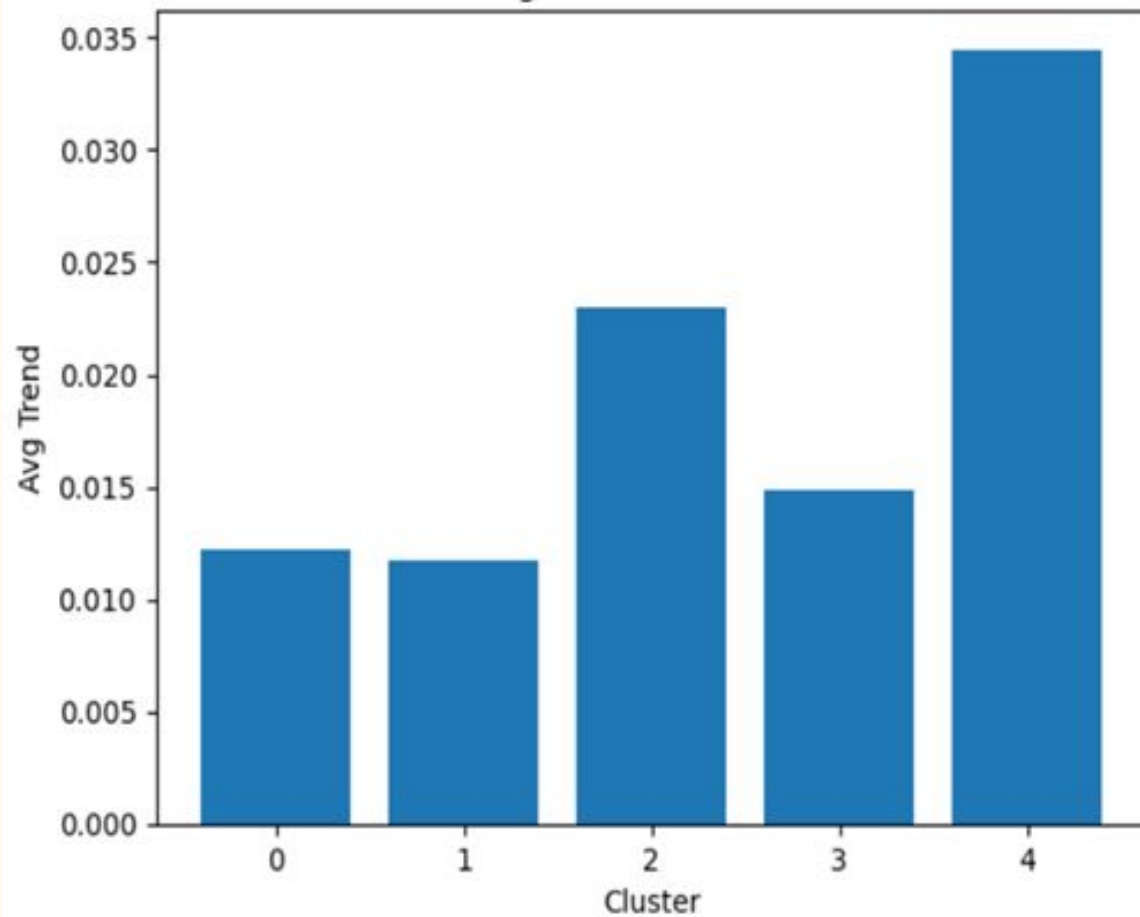
## Countries Dominated



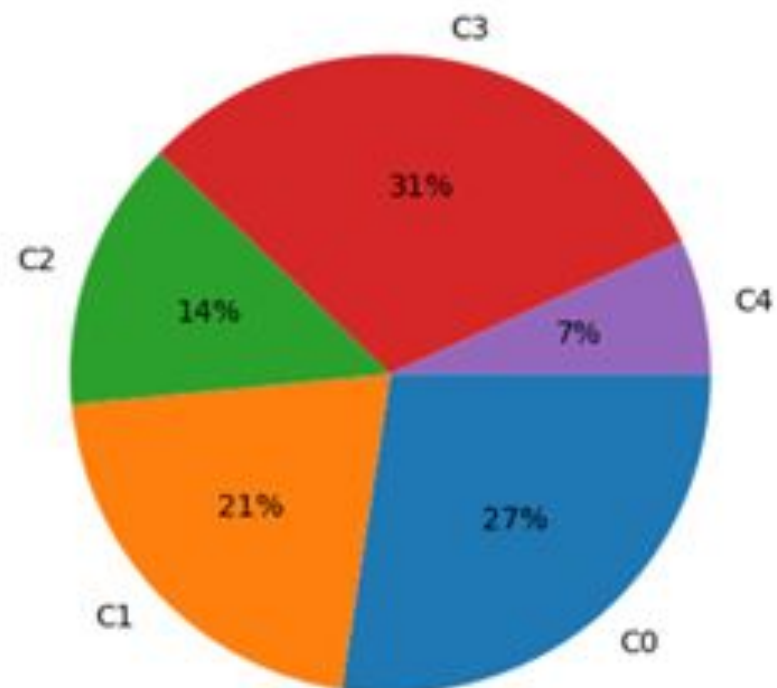
Popularity vs. Cluster



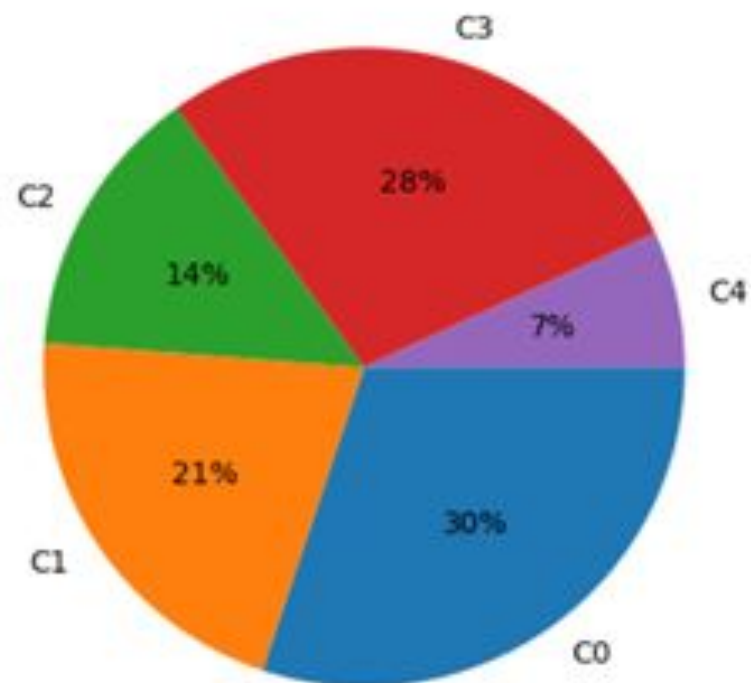
Avg Trend vs. Cluster



Top 10 Cluster Breakdown



Top 50 Artists Cluster Breakdown



# Application



Thank You!