

# Spotify Data Analysis\*

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Using the `spotifyr` package, this paper analyzes audio data

## 1 Introduction

This paper provides an analysis of music using the Spotify API

## 2 Data

For each artist, audio features of their tracks were downloaded, including `danceability`, `energy`, `valence`, and track duration.

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\*Code and data are available at: [https://github.com/DavidFJ207/spotify\\_analysis](https://github.com/DavidFJ207/spotify_analysis)

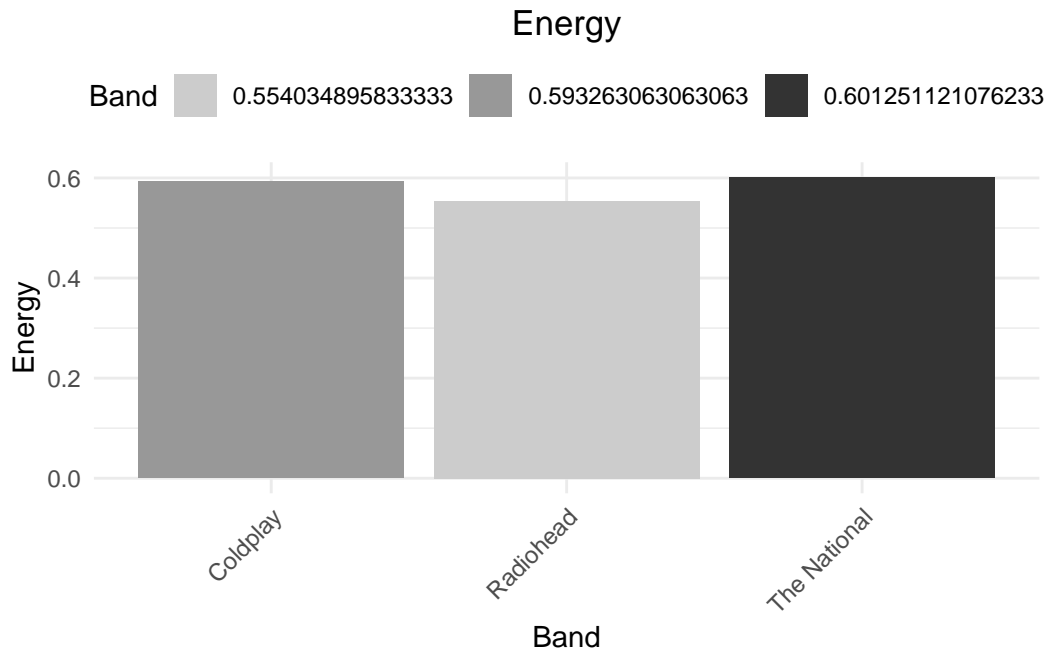


Figure 1: Data summary of audio features for Coldplay

## 2.1 Data Overview

## 3 Results

## 4 Discussion

### 4.1 Trends

### 4.2 Implications

## 5 References

For data analysis, we used R (R Core Team 2023) and the `spotifyr` package (Thompson 2023). The data was obtained through the Spotify API (“Spotify Web API Documentation” 2023), and the analysis follows standard practices in music data analysis ([music-data-analysis?](#)).

R Core Team. 2023. *R: A Language and Environment for Statistical Computing*. Vienna, Austria: R Foundation for Statistical Computing. <https://www.R-project.org/>.

- “Spotify Web API Documentation.” 2023. 2023. <https://developer.spotify.com/documentation/web-api/>.
- Thompson, Charlie. 2023. *Spotifyr: R Wrapper for the 'Spotify' Web API*. <https://github.com/charlie86/spotifyr>.