

# INTRODUCTION

- **Extracting Spotify data from the Spotify API using R**
- **Spotify is a popular music streaming service**
- **We can do this using the Spotify API, the ‘spotifyr’ package, dplyr, ggplot, and ggribbles**



# EXPLORING SPOTIFY DATA

1

- Using the ‘Spotify for developers’ page: get client ID and secret ID & access token from there to use Spotify API
- Install ‘spotifyr’ package & load packages

```
id <- 'your client ID'
secret <- 'your client secret'
Sys.setenv(SPOTIFY_CLIENT_ID = id)
Sys.setenv(SPOTIFY_CLIENT_SECRET = secret)
access_token <- get_spotify_access_token()
```

2

- Find your top 5 favorite artists: `get_my_top_artists_or_tracks(type = 'artists', time_range = 'long_term', limit = 5)`
- pipe `select(name, genres)`

3

- Get song characteristics for all songs in artist’s discography: `get_artist_audio_features('artist name')`
- Characteristics/variables: danceability, energy, loudness, speechiness, acousticness, instrumentalness, liveness, valence, energy, & tempo

2

# CONCLUSION

