

# HIT THE CHARTS





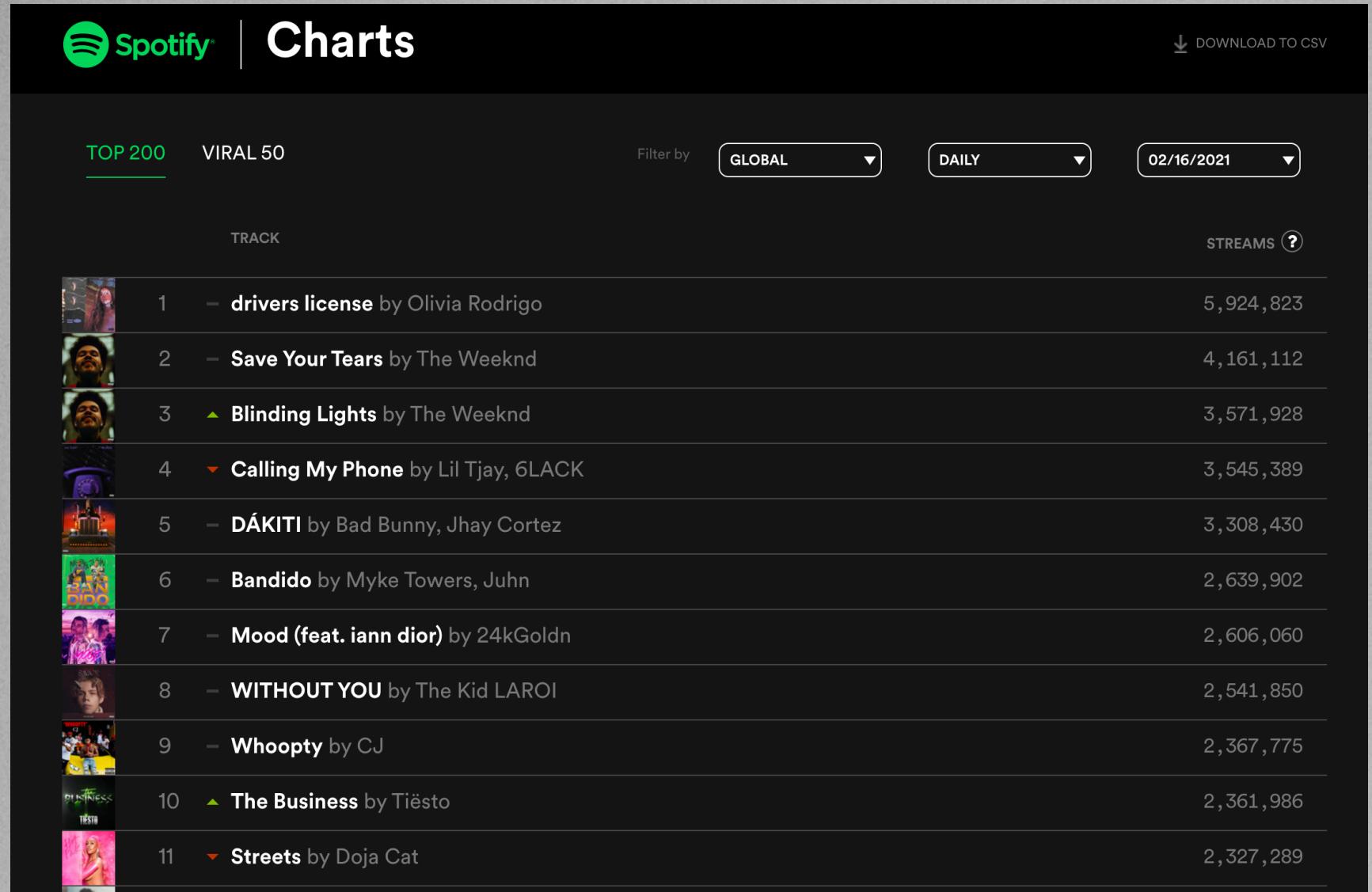
33 COUNTRIES

01/01/2018 -  
31/01/2021

TOP 50

EVERY 90 DAYS

9.000  
UNIQUE SONGS



The image shows a screenshot of the Spotify Charts interface. At the top, it says "Spotify | Charts". Below that, there are tabs for "TOP 200" (which is selected) and "VIRAL 50". To the right are filters: "Filter by" set to "GLOBAL", "DAILY" (button), and a date range from "02/16/2021" (button). The main area is titled "TRACK" and shows a list of songs with their ranks, artists, and stream counts. The songs listed are:

Rank	Song	Artist(s)	Streams
1	— drivers license	Olivia Rodrigo	5,924,823
2	— Save Your Tears	The Weeknd	4,161,112
3	▲ Blinding Lights	The Weeknd	3,571,928
4	▼ Calling My Phone	Lil Tjay, 6LACK	3,545,389
5	— DÁKITI	Bad Bunny, Jhay Cortez	3,308,430
6	— Bandido	Myke Towers, Juhn	2,639,902
7	— Mood (feat. iann dior)	24kGoldn	2,606,060
8	— WITHOUT YOU	The Kid LAROI	2,541,850
9	— Whoopyt	CJ	2,367,775
10	▲ The Business	Tiesto	2,361,986
11	▼ Streets	Doja Cat	2,327,289

# ANALYSIS



**Danceability**

**Speechiness:**  
presence of spoken words

**Acousticness**

**Tempo: (BPM).**

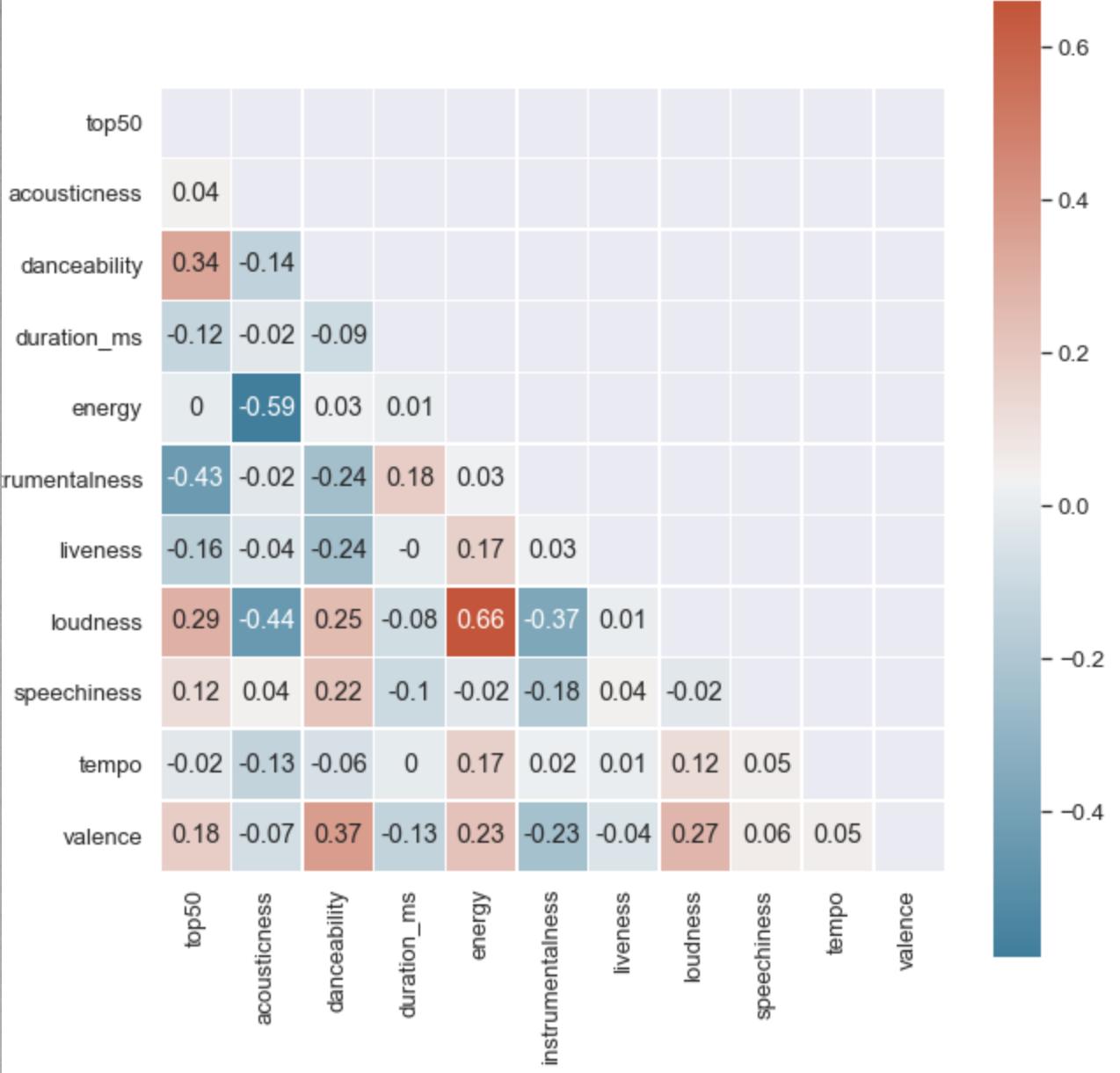
**Energy**

**Valence: positiveness**

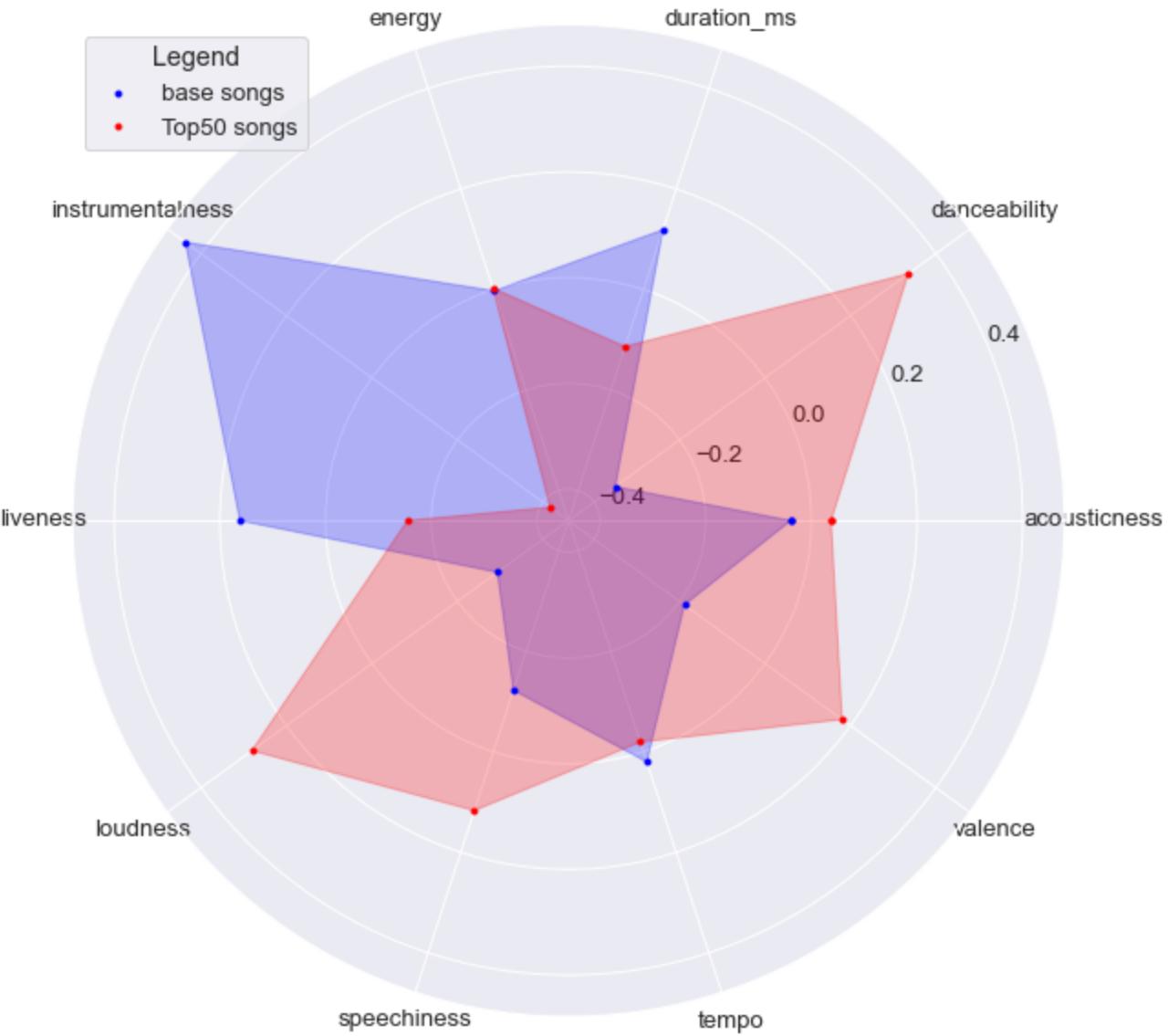
**Instrumentalness**

**Liveness:**  
presence of an audience

**Loudness in decibels (dB)**



## TOP 50 SONGS vs BASELINE SONGS

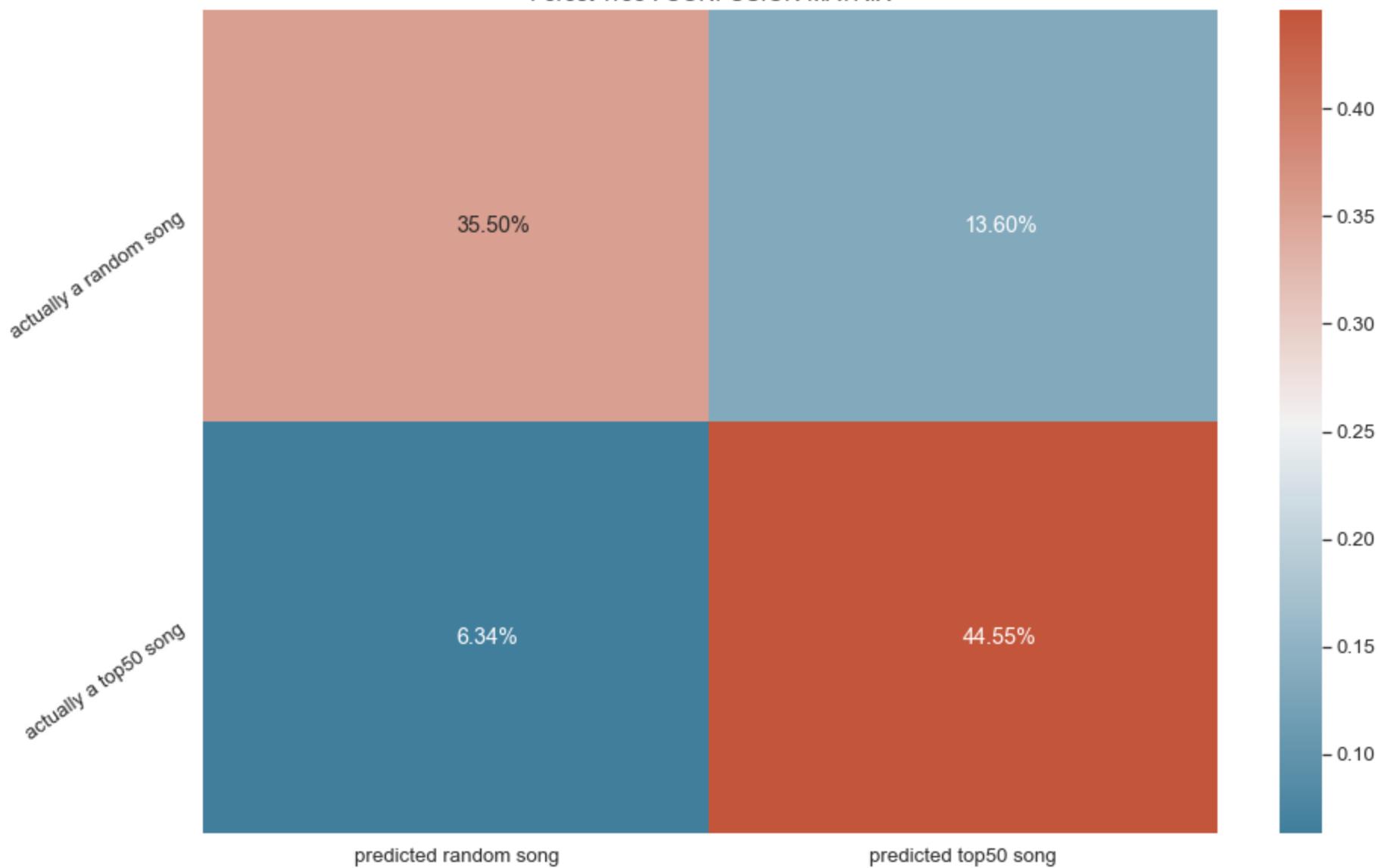


# MODEL COMPARISON

## MODEL SCORE COMPARIOSN

	Model	Score	Precision	Recall	F1-Score
0	KNeighborsClassifier(n_neighbors=4)	0.720507	0.731228	0.712890	0.721942
1	DecisionTreeClassifier()	0.723229	0.728651	0.726904	0.727776
2	Random Forest	0.800563	0.766139	0.875346	0.817110
3	SVC(probability=True)	0.780760	0.727890	0.909091	0.808462

Forest Tree : CONFUSION MATRIX



# FEATURE IMPORTANCE

