



playlist\_scrape.py



playlist\_data/[date].csv

playlist\_data/playlist\_data.csv

Country	Market	Capture offset	Track artist	Track name	Track id	Track popularity	Track number	Track preview url	Track duration	Track added date
global	GO	2021-11-30 08:00:03.1	Adele	Easy On Me	46ZD9Y7mpAM53KQdps	89	1	https://p.scdn.co/mp3-preview/c501	2:46:04	2021-11-30T09:19:08Z
global	GO	2021-11-30 08:00:03.1	The Kid LAROI	STAR (with Justin Bieber)	5P9hOCKZGdEunNab3DmX	92	2	https://p.scdn.co/mp3-preview/684	1:41:05	2021-11-30T09:19:08Z
global	GO	2021-11-30 08:00:03.1	LI Nae X	INDUSTRY BABY (feat. Jack Harlow)	5Z9K7GzGzH6Pfm8E9Nouk	90	3	https://p.scdn.co/mp3-preview/c1c2	2:12:52	2021-11-30T09:19:08Z
global	GO	2021-11-30 08:00:03.1	GAYLE	abcdefu	4ftuWKKXVHr78KQ1UJL	90	4	https://p.scdn.co/mp3-preview/25d	1:58:01	2021-11-30T09:19:08Z
global	GO	2021-11-30 08:00:03.1	Taylor Swift	All Too Well (10 Minute Version) (Taylor's Version) (feat. SZA)	7qyUuR8Bp9uJCMw09	86	5		6:13:06	2021-11-30T09:19:08Z
global	GO	2021-11-30 08:00:03.1	Ethan Johns	Cold Heart - PHAU Remi	03MAuRtK8AU7Y7Cdx	92	7		2:38:05	2021-11-30T09:19:08Z
global	GO	2021-11-30 08:00:03.1	Imagine Dragons	Enemy (feat. JID) - from the series Arcane	18kLpQzHv6gpf8f8Dnd	93	8		1:73:01	2021-11-30T09:19:08Z



song\_features\_lookup.py



## EDA and Analysis

genres.py

k\_means.py

spotify\_librosa\_correlation.py

Data Exploration & Analysis.ipynb



lookups/all\_track\_audio\_features.csv

lookups/full\_audio\_features.csv

lookups/MIR\_features.csv



music\_information\_retrieval.py



lookups/track\_audio\_features.csv

track_id	acousticness	analysis_url	artist	duration_ms	energy	instrumentalness	liveness	loudness	mode	speechiness	tempo	time_signature	track_name	track_popularity	track_preview_url	track_added_date
46ZD9Y7mpAM53KQdps	0.18	0.23	11	168	1	0.08	0.06	-6.5	0.03	0.05	120.0	4	Easy On Me	89	https://p.scdn.co/mp3-preview/c501	2021-11-30T09:19:08Z
5P9hOCKZGdEunNab3DmX	0.14	0.10	10	104	0	0.03	0.00	-9.1	0.00	0.00	140.0	4	STAR (with Justin Bieber)	92	https://p.scdn.co/mp3-preview/684	2021-11-30T09:19:08Z
5Z9K7GzGzH6Pfm8E9Nouk	0.10	0.10	1	146	1	0.02	0.04	-9.4	0.01	0.04	140.0	4	INDUSTRY BABY (feat. Jack Harlow)	90	https://p.scdn.co/mp3-preview/c1c2	2021-11-30T09:19:08Z
4ftuWKKXVHr78KQ1UJL	0.08	0.11	0	115	1	0.03	0.08	-9.1	0.03	0.13	141.0	4	abcdefu	90	https://p.scdn.co/mp3-preview/25d	2021-11-30T09:19:08Z



# Streamlit

streamlit\_app.py

/st\_support\_files/pages/

st\_home.py

st\_density\_choose.py

st\_correlations\_choose.py

st\_recommendations.py