



playlist\_scrape.py (run daily)



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	46020972mpAm53KQdqs	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	STAY (with Justin Bieber)	5P9hOCQZGdEucNab3yOmX	92	2	https://p.scdn.co/mp3-preview/6644	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)	529KIDzGzH6PFm85Nouk	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	4ftuWKKXVHrU78KQ1UJL	90	4	https://p.scdn.co/mp3-preview/25d4	1:56:01	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. Bon Iver)	7qysR8Bp4uJCMw09	86	5	https://p.scdn.co/mp3-preview/613026	20:27:35	2021-11-30T09:19:08Z
global	GO	2021-11-30 08:00:03.1	Eton John	Cold Heart - PHAU Remi	03MAuRtK8AU7Y7Cdxv	92	7	https://p.scdn.co/mp3-preview/238025	2:38:05	2021-11-30T09:19:08Z
global	GO	2021-11-30 08:00:03.1	Grass Animals	Heat Waves	18kLpQzHvqgpf8fH2dvd	93	8	https://p.scdn.co/mp3-preview/173381	20:21:11	2021-11-30T09:19:08Z



song\_features\_lookup.py  
(run daily)



## 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

0.18	0.23	1.1	0.8	1	0.08	0.01	0	0.08	0.23	0.01	538802	1
0.14	0.16	1.0	0.7	0	0.03	0.00	0	0.03	0.08	1.0798	515303	1
0.18	0.11	1	0.46	1	0.02	0.04	0	0.1	0.46	248.02	141858	1
0.0	0.11	0	1.05	1	0.02	0.08	0	0.12	0.12	141.86	124660	1



# Streamlit

streamlit\_app.py

/st\_support\_files/pages/

st\_home.py

st\_density\_choose.py

st\_correlations\_choose.py

st\_recommendations.py