# BIGDATA PROJECT

USE SPOTIFY AUDIO FEATURES TO CATEGORIZE MUSIC

# DAG IN AIRFLOW STARTEN

#### **AUFGABE**

- Lieder aus einer Spotify-Playlist auslesen
- Anhand ihrer Daten nach Musikkategorien sortieren
- Ergebnis auf einer Website anzeigen

# API

## **Get a Playlist**

Get a Playlist

Get a Playlist DOCS						
Endpoint https://api.spotify.com/v1/playlists/{playlist_id}						
GET						
Required						

#### playlist\_id \*

3cEYpjA9oz9GiPac4AsH4n

#### market

ES

#### fields

items(added\_by.id,track(name,href,album(name,href)))

#### OAuth Token

BQBuA1RODBFFXIhVAkT\_ubwOD9\_g7jCmEg\_iH1ZiLI...

**GET TOKEN** 

```
"collaborative": false,
  "description": "Für deine tägliche Dosis Vitamin D: Die größten Anwärter auf den Sommerhit des
Jahres. Cover: The Chainsmokers, ILLENIUM und Lennon Stella",
  "external urls": {
    "spotify": "https://open.spotify.com/playlist/37i9dQZF1DWX7rdRjOECPW"
  "followers": {
    "href": null,
    "total": 1150507
  "href": "https://api.spotify.com/v1/playlists/37i9dQZF1DWX7rdRjOECPW",
  "id": "37i9dQZF1DWX7rdRjOECPW",
  "images": [
      "height": null,
      "url": "https://pl.scdn.co/images/pl/default/1ec2c07bf5d9ed36000ab573ae3ecbdf18eef10c",
      "width": null
  "name": "Sommerhits 2019",
  "owner": {
    "display_name": "Spotify",
    "external_urls": {
      "spotify": "https://open.spotify.com/user/spotify"
    "href": "https://api.spotify.com/v1/users/spotify",
    "id": "spotify",
    "type": "user",
    "uri": "spotify:user:spotify"
  "primary_color": null,
  "public": false,
  "snapshot id": "MTU2ODE0MzkwMywwMDAwMDAwMDAwMDAwMTZkMWNhOTBiNWUwMDAwMDE2Y2QzM2Q3NGNh",
  "tracks": {
    "href": "https://api.spotify.com/v1/playlists/37i9dQZF1DWX7rdRjOECPW/tracks?
```

```
"added at": "2019-09-10T19:31:43Z",
"added_by": {
 "external_urls": {
   "spotify": "https://open.spotify.com/user/"
 "href": "https://api.spotify.com/v1/users/",
 "id": "",
 "type": "user",
 "uri": "spotify:user:"
"is local": false,
"primary color": null,
"track": {
 "album": {
   "album type": "single",
   "artists": [
       "external_urls": {
         "spotify": "https://open.spotify.com/artist/2NjfBq1NflQcKSeiDooVjY"
       "href": "https://api.spotify.com/v1/artists/2NjfBq1NflQcKSeiDooVjY",
       "id": "2NjfBq1NflQcKSeiDooVjY",
       "name": "Tones and I",
       "type": "artist",
       "uri": "spotify:artist:2NjfBq1NflQcKSeiDooVjY"
    "available_markets": [
     "AU",
      "NZ"
    "external urls": {
      "spotify": "https://open.spotify.com/album/31IDBea3eEs57a0joX6TjN"
    "href": "https://api.spotify.com/v1/albums/31IDBea3eEs57a0joX6TjN",
    "id": "31IDBea3eEs57a0joX6TjN",
```

```
"images": [
     "height": 640,
     "url": "https://i.scdn.co/image/ab67616d0000b27338802659d156935ada63c9e3",
     "width": 640
     "height": 300,
     "url": "https://i.scdn.co/image/ab67616d00001e0238802659d156935ada63c9e3",
     "width": 300
     "height": 64,
     "url": "https://i.scdn.co/image/ab67616d0000485138802659d156935ada63c9e3",
     "width": 64
 "name": "Dance Monkey",
 "release date": "2019-05-10",
 "release date precision": "day",
 "total tracks": 1,
 "type": "album",
 "uri": "spotify:album:31IDBea3eEs57a0joX6TjN"
"artists": [
   "external_urls": {
     "spotify": "https://open.spotify.com/artist/2NjfBq1NflQcKSeiDooVjY"
   "href": "https://api.spotify.com/v1/artists/2NjfBq1NflQcKSeiDooVjY",
   "id": "2NjfBq1NflQcKSeiDooVjY",
   "name": "Tones and I",
   "type": "artist",
```

```
"uri": "spotify:artist:2NjfBq1NflQcKSeiDooVjY"
         "available_markets": [
           "AU",
           "NZ"
         "disc_number": 1,
         "duration_ms": 209754,
         "episode": false,
         "explicit": false,
         "external_ids": {
           "isrc": "QZES71982312"
         "external urls": {
           "spotify": "https://open.spotify.com/track/1rgnBhdG2JDFTbYkYRZAku"
         "href": "https://api.spotify.com/v1/tracks/1rgnBhdG2JDFTbYkYRZAku",
         "id": "1rgnBhdG2JDFTbYkYRZAku",
         "is_local": false,
         "name": "Dance Monkey",
         "popularity": 82,
         "preview_url": "https://p.scdn.co/mp3-preview/7e70b1eb012b7589a6487169bcd6135889ce89aa?
cid=774b29d4f13844c495f206cafdad9c86",
         "track": true,
         "track_number": 1,
         "type": "track",
         "uri": "spotify:track:1rgnBhdG2JDFTbYkYRZAku"
       "video_thumbnail": {
         "url": null
```

#### **Get Audio Features for a Track**

Get Audio Features for a Track

Description	Get Audio Features for a Track DOCS					
Endpoint	https://api.spotify.com/v1/audio-features/{id}					
HTTP Method	GET					
OAuth	Required					

id \*

6TNK1SFt77MvTFoiTloiFQ

OAuth Token

BQBuA1RODBFFXIhVAkT\_ubwOD9\_g7jCmEg\_iH1ZiLI...

**GET TOKEN** 

TRY IT

FILL SAMPLE DATA

## API - TRACK

#### API - TRACK

```
"danceability": 0.667,
"energy": 0.755,
"key": 11,
"loudness": -5.893,
"mode": 0,
"speechiness": 0.05,
"acousticness": 0.0533,
"instrumentalness": 0.0000115,
"liveness": 0.0795,
"valence": 0.472,
"tempo": 97.063,
"type": "audio features",
"id": "6TNK1SFt77MvTFoiTloiFQ",
"uri": "spotify:track:6TNK1SFt77MvTFoiTloiFQ",
"track_href": "https://api.spotify.com/v1/tracks/6TNK1SFt77MvTFoiTloiFQ",
"analysis url": "https://api.spotify.com/v1/audio-analysis/6TNK1SFt77MvTFoiTloiFQ",
"duration ms": 180816,
"time_signature": 4
```

#### WORKFLOW

Verzeichnisse in Airflow leeren/anlegen

Request zu Spotify: Playlist Request zu Spotify: Einzelne Lieddaten

Erhaltene Daten in .json speichern

Verzeichnisse in HDFS leeren/anlegen Daten von Airflow nach HDFS kopieren Tabellen (Playlist, Lieddaten, Kategorien, Final) anlegen) anlegen Musikkategorie bestimmen und in Kategorie-Tabelle speichern

Zieldaten in Finaltabelle schreiben

MySql-Tabelle erstellen

Finaldaten in MySql-Tabelle exportieren

Requestdaten löschen

# RAW / FINAL / FRONTEND

	<sup>ABC</sup> added_at	<b>t</b> added_by	✓is_local 🏗	track ₹	i video_thumbnail
1	2019-09-10T19:31:43Z	$\hbox{$[\{$"external\_urls": \{$"spotify": "https://open.spotify.com/user/"\},"href": $$ $$ $$ $$ $$ $$ $$ $$ $$ $$ $$ $$ $$$	false	[{"id":"1rgnBhdG2JDFTbYkYRZAku","name":"Dance Monkey","po	pt [{"url":null}]
2	2019-09-10T19:31:43Z	$\hbox{$[\{$"external\_urls": \{$"spotify": "https://open.spotify.com/user/"\},"href": $$ $$ $$ $$ $$ $$ $$ $$ $$ $$ $$ $$ $$$	false	[{"id":"7M9w4C8WenlvWfNRAulZOX","name":"Narcotic","popula	ri [{"url":null}]
3	2019-09-10T19:31:43Z	$\label{thm:com/user/"} [\{\mbox{"external\_urls"}; \mbox{"spotify":"https://open.spotify.com/user/"}, \mbox{"href": } \mbox{"external\_urls"} "external\_url$	false	[{"id":"0TK2Ylli7K1leLovkQiNik","name":"Señorita","popularity":9	7, [{"url":null}]
4	2019-09-10T19:31:43Z	$\hbox{$[\{$"external\_urls": \{$"spotify": "https://open.spotify.com/user/"\},"href": $$ $$ $$ $$ $$ $$ $$ $$ $$ $$ $$ $$ $$$	false	[{"id":"0mjAU3yKR1QnXnHtjGJqTM","name":"Rescue Me","popul	ar [{"url":null}]
5	2019-09-10T19:31:43Z	$\label{thm:com/user/"} [\{\mbox{"external\_urls"}; \mbox{"spotify":"https://open.spotify.com/user/"}, \mbox{"href": } \mbox{"external\_urls"}; \mbox{"spotify":"https://open.spotify.com/user/"}, \mbox{"href": } \mbox{"external\_urls": } "exter$	false	[{"id":"2i2JtDSr6GbkRpTToH15SN","name":"Back to the Start","p	or [{"url":null}]
6	2019-09-10T19:31:43Z	$\hbox{$[\{$"external\_urls": \{$"spotify": "https://open.spotify.com/user/"\},"href": $$ $$ $$ $$ $$ $$ $$ $$ $$ $$ $$ $$ $$$	false	[{"id":"02itaCXOdC54J0ISjqqFAp","name":"All Around The World	( [{"url":null}]
7	2019-09-10T19:31:43Z	$\hbox{$[\{$"external\_urls": \{$"spotify": "https://open.spotify.com/user/"\},"href": $$ $$ $$ $$ $$ $$ $$ $$ $$ $$ $$ $$ $$$	false	[{"id":"1f38Gx6xQz6r4H1jGVNBJo","name":"Loco Contigo (with J	E [{"url":null}]
8	2019-09-10T19:31:43Z	$\hbox{$[\{$"external\_urls": \{$"spotify": "https://open.spotify.com/user/"\},"href": $$ $$ $$ $$ $$ $$ $$ $$ $$ $$ $$ $$ $$$	false	[{"id":"5Pwu8NkDhEkObPp8TvHMUn","name":"Better","popularit	y' [{"url":null}]
9	2019-09-10T19:31:43Z	$[\{"external\_urls"; \{"spotify"; "https://open.spotify.com/user/"\}, "href"; \\$	false	[{"id":"6sYJuVcEu4gFHmeTLdHzRz","name":"Bittersweet Sympho	nṛ [{"url":null}]
10	2019-09-10T19:31:43Z	$\hbox{$[\{$"external\_urls": \{$"spotify": "https://open.spotify.com/user/"\},"href": $$ $$ $$ $$ $$ $$ $$ $$ $$ $$ $$ $$ $$$	false	[{"id":"4NSW0Km5ZG60L8FthUebPJ","name":"What I Like About	Yc [{"url":null}]
11	2019-09-10T19:31:43Z	$\hbox{$[\{$"external\_urls": \{$"spotify": "https://open.spotify.com/user/"\},"href": $$ $$ $$ $$ $$ $$ $$ $$ $$ $$ $$ $$ $$$	false	[{"id":"2tnVG71enUj33Ic2nFN6kZ","name":"Ride It","popularity":	5, [{"url":null}]
12	2019-09-10T19:31:43Z	$\label{thm:com/user/"} [\{\mbox{"external\_urls"}; \mbox{"spotify":"https://open.spotify.com/user/"}, \mbox{"href": } \mbox{"external\_urls"}; \mbox{"spotify":"https://open.spotify.com/user/"}, \mbox{"href": } \mbox{"external\_urls": } "exter$	false	[{"id":"6HeJjtpjpM14EvYhhgkQEj","name":"I'm Not Alright","pop	ul [{"url":null}]
13	2019-09-10T19:31:43Z	$\label{thm:com/user/"} [\{\mbox{"external\_urls"}; \mbox{"spotify": "https://open.spotify.com/user/"}, \mbox{"href": } \mbox{"https://open.spotify.com/user/"}, \mbox{"href": } \mbox{"external\_urls": } "external\_urls$	false	[{"id":"0U6bQIAh6MCGo1xjbIIx2S","name":"Instagram","popular	ty [{"url":null}]
14	2019-09-10T19:31:43Z	$\label{thm:com/user/"} [\{"external\_urls": \{"spotify": "https://open.spotify.com/user/"\}, "href": \cite{thm:com/user/"}, "h$	false	[{"id":"1twCDBPDERLBAYFhGjmNfl","name":"Viva la Dealer - Ge	stc [{"url":null}]
15	2019-09-10T19:31:43Z	$\label{thm:com/user/"} [\{\mbox{"external\_urls"}; \mbox{"spotify":"https://open.spotify.com/user/"}, \mbox{"href": } \mbox{"external\_urls"}; \mbox{"spotify":"https://open.spotify.com/user/"}, \mbox{"href": } \mbox{"external\_urls": } "exter$	false	[{"id":"6TNK1SFt77MvTFoiTloiFQ","name":"She Got Me","popula	rit [{"url":null}]
16	2019-09-10T19:31:43Z	$\hbox{$[\{$"external\_urls": \{$"spotify": "https://open.spotify.com/user/"\},"href": $$ $$ $$ $$ $$ $$ $$ $$ $$ $$ $$ $$ $$$	false	[{"id":"3DsLBZjoU5AYxZXsepHtsW","name":"La Libertad","popul	ar [{"url":null}]
17	2019-09-10T19:31:43Z	$\label{thm:com/user/"} [\{"external\_urls": \{"spotify": "https://open.spotify.com/user/"\}, "href": \cite{thm:com/user/"}, "h$	false	[{"id":"2QrXzOqLCVDRZHkToA0tSR","name":"Never Go Back","p	or [{"url":null}]
18	2019-09-10T19:31:43Z	$\hbox{$[\{$"external\_urls": \{$"spotify": "https://open.spotify.com/user/"\},"href": $$ $$ $$ $$ $$ $$ $$ $$ $$ $$ $$ $$ $$$	false	[{"id":"1tNJrcVe6gwLEiZCtprs1u","name":"3 Nights","popularity":	88 [{"url":null}]
19	2019-09-10T19:31:43Z	$\label{thm:com/user/"} [\{\mbox{"external\_urls"}; \mbox{"spotify":"https://open.spotify.com/user/"}, \mbox{"href": } \mbox{"external\_urls"} \}. \mbox{"https://open.spotify.com/user/"}, \mbox{"href": } \mbox{"external\_urls"} \}. \mbox{"external\_urls": } \mbox{"external\_urls"} \}. \mbox{"external\_urls": } "external\_ur$	false	[{"id":"7DC0O3pMpDFefdk51dr7pU","name":"Hotstepper","popu	ıla [{"url":null}]
20	2019-09-10T19:31:43Z	$\label{thm:com/user/"} [\{"external\_urls": \{"spotify": "https://open.spotify.com/user/"\}, "href": \cite{thm:com/user/"}, "h$	false	[{"id":"3zKNhklp4vlzlv1vGPdBLu","name":"Tu m'appelles (feat. Pl	[{"url":null}]
21	2019-09-10T19:31:43Z	$\hbox{$[\{$"external\_urls": \{$"spotify": "https://open.spotify.com/user/"\},"href": $$ $$ $$ $$ $$ $$ $$ $$ $$ $$ $$ $$ $$$	false	[{"id":"5BAJMdCQqax0oBQigQTI5h","name":"Dove e quando","p	o [{"url":null}]
22	2019-09-10T19:31:43Z	$\hbox{$[\{$"external\_urls": \{$"spotify": "https://open.spotify.com/user/"\},"href": $$ $$ $$ $$ $$ $$ $$ $$ $$ $$ $$ $$ $$$	false	[{"id":"6vBdBCoOhKHiYDDOcorfNo","name":"Goodbyes (Feat. Ye	oc [{"url":null}]
23	2019-09-10T19:31:43Z	$\label{thm:com/user/"} [\{\mbox{"external\_urls"}; \mbox{"spotify":"https://open.spotify.com/user/"}, \mbox{"href": } \mbox{"external\_urls"}; \mbox{"spotify":"https://open.spotify.com/user/"}, \mbox{"href": } \mbox{"external\_urls": } "exter$	false	[{"id":"5dW1VZPcFqB4n0P08rGDgm","name":"The Git Up","popu	la [{"url":null}]
24	2019-09-10T19:31:43Z	$\hbox{$[\{$"external\_urls": \{$"spotify": "https://open.spotify.com/user/"\},"href": $$ $$ $$ $$ $$ $$ $$ $$ $$ $$ $$ $$ $$$	false	[{"id":"6oJ6le65B3SEqPwMRNXWjY","name":"Higher Love","pop	ul: [{"url":null}]
25	2019-09-10T19:31:43Z	$\label{thm:com/user/"} [\{\mbox{"external\_urls"}; \mbox{"spotify":"https://open.spotify.com/user/"}, \mbox{"href": } \mbox{"external\_urls"}; \mbox{"spotify":"https://open.spotify.com/user/"}, \mbox{"href": } \mbox{"external\_urls": } "exter$	false	[{"id":"5opjywL6TBjJRF22TcFDMo","name":"Jetzt rufst du an","po	p [{"url":null}]
26	2019-09-10T19:31:43Z	$\label{thm:com/user/"} [\{\mbox{"external\_urls"}: \mbox{"spotify":"https://open.spotify.com/user/"}, \mbox{"href"}: \mbox{"external\_urls"}: "ex$	false	[{"id":"4BI3vhxLgSmTxbHTFR7eyd","name":"World At Our Feet","	p [{"url":null}]
27	2019-09-10T19:31:43Z	$\label{thm:com/user/"} [\{\text{"external\_urls"}; \{\text{"spotify"}; \text{"https://open.spotify.com/user/"}\}, \text{"href"}; \\$	false	[{"id":"3Bhy3iP4BgKZGF29XIfbs8","name":"Get Up","popularity":	51 [{"url":null}]
28	2019-09-10T19:31:43Z	$\hbox{$[\{$"external\_urls": \{$"spotify": "https://open.spotify.com/user/"\},"href": $$ $$ $$ $$ $$ $$ $$ $$ $$ $$ $$ $$ $$$	false	[{"id":"4rJcxFOljjd2sqfgljksTI","name":"We're The Same","popular	it [{"url":null}]

## RAW - PLAYLIST

	123 danceability T‡	123 energy TI	123 kev <b>T</b> :	123 loudness T‡	123 mode TI	123 speechiness T‡	123 acousticness T‡	123 instrumentalness T‡	123 liveness TI	123 valence T‡	ABC tempo	TI ABC j
1	0.825	0.593	6	-6.401	0	0.0988	0.688	1.61E-4	0.17		98.078	1rgr
2	0.749	0.668	10	-5.964	0	0.0608	0.0373	2.72E-4	0.045	0.366		7M9
3	0.759	0.54	9	-6.039	0	0.0287	0.037	0	0.0945	0,75	116.947	0TK
4	0.759	0.605	7	-7.737	1	0.0433	0.156	0	0.694	0.64	121.049	0mj
5	0.658	0.831	9	-3.969	1	0.0554	0.693	0	0.159	0.52	130.016	2i2J
6	0.733	0.859	9	-5.03	0	0.033	0.479	0.0645	0.105	0.52	124.948	02it
7	0.822	0.743	6	-3.04	0	0.0567	0.285	0	0.102	0.355	96.025	1f38
8	0.711	0.668	1	-5.649	0	0.0468	0.149	0	0.285	0.532	149.973	5Pw
9	0.676	0.582	9	-7.58	1	0.128	0.221	0.00627	0.515	0.447	124.012	6sYJ
10	0.46	0.8	1	-3.584	1	0.05	0.289	0	0.121	0.553	102.46	4NS
11	0.893	0.748	7	-4.299	0	0.0821	0.272	0	0.093	0.867	117.958	2tn\
12	0.876	0.856	4	-3.884	1	0.0486	0.0812	0	0.457	0.685	121.991	6Нє
13	0.765	0.906	8	-2.097	0	0.0965	0,125	0	0.423	0.95	96.071	0U6
14	0.759	0.805	0	-6.849	1	0.0753	0.207	0	0.0938	0.782	121.999	1tw
15	0.667	0.755	11	-5.893	0	0.05	0.0533	0	0.0795	0.472	97.063	6TN
16	0.676	0.792	5	-4.594	0	0.0351	0.0149	0	0.414	0.57	112.004	3Ds
17	0.421	0.653	9	-4.85	0	0.398	0.0135	0	0.114	0.733	78.6	2Qr
18	0.815	0.518	7	-6.594	0	0.0897	0.223	0	0.104	0.877	151.891	1tN.
19	0.647	0.973	11	-3.642	0	0.0494	0.023	0	0.732	0.595	116.962	7DC
20	0.795	0.812	1	-4.885	1	0.0614	0.0703	0	0.19	0.615	113.979	3zK
21	0.763	0.692	1	-6.158	1	0.0381	0.0931	0	0.0644	0.691	124.998	5BA
22	0.58	0.653	5	-3.818	1	0.0745	0.447	0	0.111	0.175	150.231	6vB
23	0.847	0.678	9	-8.635	1	0.109	0.0669	0	0.274	0.811	97.984	5dV
24	0.693	0.678	8	-7.159	1	0.0324	0.0154	0	0.101	0.404	103.952	6oJ(
25	0.661	0.473	3	-7.285	1	0.136	0.338	0	0.11	0.402	128.48	5op
26	0.456	0.749	6	-4.844	0	0.0834	0.00463	0	0.192	0.253	137.958	4BI3
27	0.777	0.856	2	-4.357	0	0.0553	0.0144	8.85E-4	0.0703	0.521	98.994	3Bh

# RAW -LIEDDATEN

	ABC id TI	asc category	T
1	2i2JtDSr6GbkRpTToH15SN	Metal	
2	02itaCXOdC54J0ISjqqFAp	Metal	
3	6HeJjtpjpM14EvYhhgkQEj	Metal	
4	0U6bQIAh6MCGo1xjbllx2S	Metal	
5	1twCDBPDERLBAYFhGjmNfl	Metal	
6	7DC0O3pMpDFefdk51dr7pU	Metal	
7	3zKNhklp4vlzlv1vGPdBLu	Metal	
8	3Bhy3iP4BgKZGF29Xlfbs8	Metal	
9	30f7TNgvsS1AWtyuVqMucH	Metal	
10	4PkIDTPGedm0enzdvilLNd	Metal	
11	2ksOAxtlxY8yEIEWw8RhgK	Metal	
12	64o06p7wl27z7qC2ID4PE0	Metal	
13	4au7FRcgZzChASRYu279xH	Metal	
14	6E0QvksY8P840Sg2kzPUoy	Metal	
15	3zR5cAShCz1ugKIWXGTjI3	Metal	
16	0nxYyX5PIHJqF4VSb4CIFV	Metal	
17	1rgnBhdG2JDFTbYkYRZAku	Rock	
18	7M9w4C8WenlvWfNRAulZOX	Rock	
19	0TK2Ylli7K1leLovkQiNik	Rock	
20	0mjAU3yKR1QnXnHtjGJqTM	Rock	
21	1f38Gx6xQz6r4H1jGVNBJo	Rock	
22	5Pwu8NkDhEkObPp8TvHMUn	Rock	
23	6sYJuVcEu4gFHmeTLdHzRz	Rock	
24	4NSW0Km5ZG60L8FthUebPJ	Rock	
25	2tnVG71enUj33Ic2nFN6kZ	Rock	
26	6TNK1SFt77MvTFoiTloiFQ	Rock	
27	3DsLBZjoU5AYxZXsepHtsW	Rock	
28	20rXz0al CVDRZHkToA0tSR	Rock	

# RAW -KATEGORIEN

	<sup>ABC</sup> id ₹‡	ABC title	ABC artist T:	<sup>ABC</sup> category <b>₹</b> ‡
1	1rgnBhdG2JDFTbYkYRZAku	Dance Monkey	Tones and I	Rock
2	7M9w4C8WenlvWfNRAuIZOX	Narcotic	Younotus, Janieck, Senex	Rock
3	0TK2Ylli7K1leLovkQiNik	Señorita	Shawn Mendes, Camila Cabello	Rock
4	0mjAU3yKR1QnXnHtjGJqTM	Rescue Me	OneRepublic	Rock
5	2i2JtDSr6GbkRpTToH15SN	Back to the Start	Michael Schulte	Metal
6	02itaCXOdC54J0ISjqqFAp	All Around The World (La La La)	R3HAB,A Touch Of Class	Metal
7	1f38Gx6xQz6r4H1jGVNBJo	Loco Contigo (with J. Balvin & Tyga)	DJ Snake,J Balvin,Tyga	Rock
8	5Pwu8NkDhEkObPp8TvHMUn	Better	Lena,Nico Santos	Rock
9	6sYJuVcEu4gFHmeTLdHzRz	Bittersweet Symphony (feat. Emily Roberts)	GAMPER & DADONI,Emily Roberts	Rock
10	4NSW0Km5ZG60L8FthUebPJ	What I Like About You (feat. Theresa Rex)	Jonas Blue,Theresa Rex	Rock
11	2tnVG71enUj33Ic2nFN6kZ	Ride It	Regard	Rock
12	6HeJjtpjpM14EvYhhgkQEj	I'm Not Alright	Loud Luxury,Bryce Vine	Metal
13	0U6bQIAh6MCGo1xjbIIx2S	Instagram	Dimitri Vegas & Like Mike, David Guetta, Daddy Yankee, Afro Bros, Natti Natasha, Dimitri Vegas, Like Mike	Metal
14	1twCDBPDERLBAYFhGjmNfl	Viva la Dealer - Gestört aber GeiL Remix	SDP,Capital Bra,Gestört aber GeiL	Metal
15	6TNK1SFt77MvTFoiTloiFQ	She Got Me	Luca Hänni	Rock
16	3DsLBZjoU5AYxZXsepHtsW	La Libertad	Alvaro Soler	Rock
17	2QrXzOqLCVDRZHkToA0tSR	Never Go Back	Dennis Lloyd	Rock
18	1tNJrcVe6gwLEiZCtprs1u	3 Nights	Dominic Fike	Rock
19	7DC0O3pMpDFefdk51dr7pU	Hotstepper	John Gibbons	Metal
20	3zKNhklp4vlzlv1vGPdBLu	Tu m'appelles (feat. PEACHY)	Adel Tawil,PEACHY	Metal
21	5BAJMdCQqax0oBQigQTl5h	Dove e quando	Benji & Fede	Rock
22	6vBdBCoOhKHiYDDOcorfNo	Goodbyes (Feat. Young Thug)	Post Malone, Young Thug	Rock
23	5dW1VZPcFqB4n0P08rGDgm	The Git Up	Blanco Brown	Rock
24	6oJ6le65B3SEqPwMRNXWjY	Higher Love	Kygo,Whitney Houston	Rock
25	5opjywL6TBjJRF22TcFDMo	Jetzt rufst du an	Loredana	Rock
26	4BI3vhxLgSmTxbHTFR7eyd	World At Our Feet	Timmy Trumpet	Rock
27	3Bhy3iP4BgKZGF29Xlfbs8	Get Up	Yellow Claw,KIDDO	Metal
28	4rJcxFOljjd2sqfgljksTl	We're The Same	Vigiland,Alexander Tidebrink	Rock

# FINAL / MYSQL

# FRAGEN?