

```

31 --popular albums
32 ✓ SELECT Album, AVG(Views) AS avg_views
33 FROM public.spotify
34 GROUP BY Album
35 ORDER BY avg_views DESC
36 LIMIT 5;
37
38 |

```

Data Output Messages Notifications



	album character varying (255)	avg_views double precision
1	See You Again (feat. Charlie Puth)	5773797777
2	Uptown Special	4821016218
3	Gangnam Style (?????)	4679767471
4	VIDA	3523480594.8333335

-- List the top 10 artists with the most songs

```
SELECT artist, COUNT(*) AS total_songs
FROM spotify
GROUP BY artist
ORDER BY total_songs DESC
LIMIT 10;
```

Data Output Messages Notifications



artist character varying (255)	total_songs bigint
Ray Charles	10
Joey Bada\$\$	10
La Mosca Tse-Tse	10
TheFatRat	10

```

45 --artists with the highest average views per track|
46 ✓ SELECT Artist, AVG(Views) AS avg_views
47 FROM public.spotify
48 GROUP BY Artist
49 ORDER BY avg_views DESC
50 LIMIT 10;

```

Data Output Messages Notifications



	artist character varying (255)	avg_views double precision
1	Ed Sheeran	1546020776.9
2	CoComelon	1460167121.1
3	Katy Perry	1312063207.5
4	Charlie Puth	1216759419.1

--Popularity by Song Duration

```
SELECT
    CASE
        WHEN Duration_min < 3 THEN 'Short (< 3 mins)'
        WHEN Duration_min BETWEEN 3 AND 5 THEN 'Medium (3-5 mins)'
        ELSE 'Long (> 5 mins)'
    END AS duration_category,
    AVG(Views) AS avg_views,
    COUNT(*) AS total_songs
FROM public.spotify
GROUP BY duration_category
ORDER BY avg_views DESC;
```

Data Output Messages Notifications

```
65 --songs based on energy and liveness
66 SELECT
67     CASE
68         WHEN Energy > 0.7 AND Liveness > 0.7 THEN 'High Energy & Live'
69         WHEN Energy > 0.7 THEN 'High Energy'
70         WHEN Liveness > 0.7 THEN 'Live Performance'
71         ELSE 'Other'
72     END AS cluster,
73     COUNT(*) AS total_songs,
74     AVG(Views) AS avg_views
75 FROM public.spotify
76 GROUP BY cluster;
```

Data Output Messages Notifications

SQL

Showing rows: 1 to 4

	cluster text	total_songs bigint	avg_views double precision
1	High Energy	8467	107653466.68536672
2	Live Performance	207	75188146.63768116
3	Other	11439	81723020.27624792
4	High Energy & Live	399	61336062.5914787

```

81 --tracks with featured artists in the title
82 SELECT
83     COUNT(*) AS total_collaborations,
84     AVG(Views) AS avg_views
85 FROM public.spotify
86 WHERE Title LIKE '%feat.%' OR Title LIKE '%ft.%';
87
88
89

```

Data Output Messages Notifications



	total_collaborations bigint	avg_views double precision
1	2443	167861544.3655342

```

88
89 --views for tracks with and without collaborations
90 SELECT
91     CASE
92         WHEN Title LIKE '%feat.%' OR Title LIKE '%ft.%' THEN 'Collaboration'
93         ELSE 'Solo'
94     END AS track_type,
95     AVG(Views) AS avg_views,
96     COUNT(*) AS total_tracks
97 FROM public.spotify
98 GROUP BY track_type;
99

```

Data Output Messages Notifications



Showing

	track_type	avg_views	total_tracks
1	Solo	81702518.88914716	18069
2	Collaboration	167861544.3655342	2443

```
100 --songs most frequently added to playlists
101 SELECT Track, Artist, MAX(Stream) AS max_streams
102 FROM public.spotify
103 GROUP BY Track, Artist
104 ORDER BY max_streams DESC
105 LIMIT 10;
106
```

Data Output Messages Notifications

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SQL

	track character varying (255) 🔒	artist character varying (255) 🔒	max_streams bigint 🔒
1	Blinding Lights	The Weeknd	3386520288
2	Shape of You	Ed Sheeran	3362005201
3	Someone You Loved	Lewis Capaldi	2634013335
4	rockstar (feat. 21 Savage)	Post Malone	2594926619


```
114 WITH duration_buckets AS (  
115     SELECT  
116         CASE  
117             WHEN Duration_min < 2 THEN 'Short (< 2 min)'  
118             WHEN Duration_min BETWEEN 2 AND 4 THEN 'Medium (2-4 min)'  
119             ELSE 'Long (> 4 min)'  
120         END AS duration_category,  
121         COUNT(*) AS total_tracks,  
122         AVG(Stream) AS avg_streams,  
123         SUM(Stream) AS total_streams  
124     FROM public.spotify  
125     WHERE Duration_min IS NOT NULL  
126     GROUP BY duration_category  
127 ),  
128 ranked_buckets AS (  
129     SELECT  
130         duration_category,  
131         total_tracks,  
132         avg_streams,  
133         total_streams,  
134         RANK() OVER (ORDER BY total_tracks DESC) AS rank_by_tracks,  
135         DENSE_RANK() OVER (ORDER BY total_streams DESC) AS rank_by_streams  
136     FROM duration_buckets  
137 )  
138 SELECT  
139     duration_category,  
140     total_tracks,  
141     avg_streams,
```

Data Output Messages Notifications

SQL

Showing rows: 1 to 3

	duration_category text	total_tracks bigint	avg_streams numeric	total_streams numeric	rank_by_tracks bigint	rank_by_streams bigint
1	Medium (2-4 min)	13526	141785136.972719207452	1917785762693	1	1
2	Long (> 4 min)	6334	122823470.25528892	777963860597	2	2
3	Short (< 2 min)	652	48518208.662576687117	31633872048	3	3