streaming_history DataFrame as `df`

```
SELECT *
FROM "streaming_history.csv"
LIMIT 5
```

	platform	track_name	artist_n...	album_name
0	WebPlayer (websocket RFC6455)	Halo	Beyoncé	I AM...SASHA FIERCE
1	WebPlayer (websocket RFC6455)	Avenir	Louane	Chambre 12
2	WebPlayer (websocket RFC6455)	Love Me Like You Do - From "Fifty Shades Of...	Ellie Goulding	Love Me Like You Do
3	WebPlayer (websocket RFC6455)	Earned It (Fifty Shades Of Grey) - From The "...	The Weeknd	Earned It (Fifty Shades Of Grey)
4	WebPlayer (websocket RFC6455)	Take Me To Church	Hozier	Take Me To Church

Rows: 5

2023_2024 DataFrame as `df1`

```
SELECT *
FROM '2023_2024.csv'
LIMIT 10
```

		track_name	artist_name	album_name	spotify_track_uri
0	ios	Wildwood Flower	The Carter Family	Can The Circle Be Unbroken: Country Music'...	spotify:track:6LXh42hEpcVLK
1	ios	Easy On Me	Adele	Easy On Me	spotify:track:0gplL1WMoJ6iY
2	osx	Easy On Me	Adele	Easy On Me	spotify:track:0gplL1WMoJ6iY
3	osx	Empire State of Mind (Part II) Broken Down	Alicia Keys	The Element Of Freedom	spotify:track:5sra5UY6sD658
4	osx	champagne problems	Taylor Swift	evermore	spotify:track:0sY6ZUTh4yoct
5	osx	Rainbow	Kacey Musgraves	Golden Hour	spotify:track:79qxwHypONUt
6	osx	Elgar: Cello Concerto in E Minor, Op. 85: I. Ad...	Edward Elgar	Impressions	spotify:track:5pjDwtMPly0cN
7	osx	Il barbiere di Siviglia: Overture (Sinfonia)	Gioachino Rossini	Rossini: Complete Overtures	spotify:track:1chTrqszWQEOP
8	osx	Serenade for Strings in E Major, Op. 22, B. 52: ...	Antonín Dvořák	Dvořák: Serenade for Strings, Czech Suite	spotify:track:3sAYxq1986j3yd
9	osx	Violin Concerto in E Minor, Op. 64, MWV O 14...	Felix Mendelssohn	Mendelssohn: Violin Concerto Symphony No....	spotify:track:4Ivo07fh9EyPtPi

Rows: 10

streaming_history DataFrame as `df6`

```
-- Overall Statistics (2013 - 2025)
SELECT
    COUNT(DISTINCT track_name) as unique_tracks,
    COUNT(DISTINCT artist_name) as unique_artists,
    COUNT(DISTINCT album_name) as unique_albums,
    SUM(minutes_played) as total_minutes
FROM 'streaming_history.csv'
```

index	unique_tracks	unique_artists	unique_albums
0	11488	4633	

Rows: 1

streaming_history DataFrame as `df10`

```
SELECT
    year,
    COUNT(DISTINCT track_name) as unique_tracks,
    COUNT(DISTINCT artist_name) as unique_artists,
    COUNT(DISTINCT album_name) as unique_albums,
    SUM(minutes_played) as total_minutes
FROM 'streaming_history.csv'
GROUP BY year
ORDER BY year DESC
```

index	year	unique_tracks	unique_artists	unique_albums
0	2025	587	348	
1	2024	4529	1947	
2	2023	2496	1244	
3	2022	3151	1589	
4	2021	2279	1152	
5	2020	1754	952	
6	2019	922	518	
7	2018	1	1	
8	2015	231	186	
9	2013	1	1	

Rows: 10

2023_2024 DataFrame as `df3`

```sql
-- Overall Statistics (2023 + 2024)
SELECT
    COUNT(DISTINCT track_name) as unique_tracks_2023_2024,
    COUNT(DISTINCT artist_name) as unique_artists_2023_2024,
    COUNT(DISTINCT album_name) as unique_albums_2023_2024,
    SUM(minutes_played) as total_minutes_2023_2024,
    COUNT(DISTINCT genres) as unique_genres_2023_2024
FROM '2023_2024.csv'
```

index	unique_tracks	unique_artists	unique_albums	total_minutes
0	6106	2562	4336	

Rows: 1

2023_2024 DataFrame as `df18`

```sql
SELECT genres, COUNT(*) as genre_count
FROM '2023_2024.csv'
WHERE year = 2024
GROUP BY genres
ORDER BY genre_count DESC;
```

index	genres
0	['ASMR']
1	['modern rock', 'indie']
2	['indie']
3	['french pop', 'chanson']
4	['pop']
5	['jazz', 'contemporary']
6	['indie rock', 'indie']
7	['chamber pop']
8	['classical guitar']
9	['classic rock', 'soft rock']
10	['indie folk', 'acoustic']
11	['french pop', 'french house']
12	['classical', 'guitar']
13	['latin folk', 'bolero', 'latin indie', 'latin alternative']
14	['flamenco']
15	['indie folk']

Rows: 989

2023_2024 DataFrame as `df1`

```sql
SELECT genres, COUNT(*) as genre_count
FROM '2023_2024.csv'
WHERE year = 2023
GROUP BY genres
ORDER BY genre_count DESC;
```

	genres	ge...
0	['french pop', 'chanson']	163
1	['variété française', 'chanson', 'french pop', 'fr...	155
2	['pop']	138
3	['french pop', 'french house']	127
4	['bedroom pop']	105
5	['french pop', 'variété française', 'chanson']	104
6	['chamber pop']	103
7	['indie rock', 'folk']	99
8	['ASMR']	88
9	['christian folk', 'folk pop', 'indie folk']	81
10	['indie folk']	81
11	['soft rock']	79
12	['classical', 'guitar']	76
13	['classic rock', 'rock', 'glam rock']	69
14	['indie']	68
15	['modern rock', 'indie']	66

Rows: 793

2023_2024 DataFrame as df5

```sql
-- Per year
SELECT
    year,
    COUNT(DISTINCT track_name) as unique_tracks,
    COUNT(DISTINCT artist_name) as unique_artists,
    COUNT(DISTINCT album_name) as unique_albums,
    SUM(minutes_played) as total_minutes,
    COUNT(DISTINCT genres) as unique_genres
FROM '2023_2024.csv'
GROUP BY year
```

		unique...	unique_...	unique...	total_minut...	unique...
0	2023	2496	1244	1880	21221.2583333333	793
1	2024	4529	1947	3240	29665.3079333333	989

Rows: 2

2023_2024 DataFrame as d

```sql
-- Top Tracks by Minutes Played (2024)
SELECT
    track_name,
    artist_name,
    SUM(minutes_played) as total_minutes
FROM '2023_2024.csv'
WHERE year = 2024
AND artist_name NOT LIKE '%ASMR%'
GROUP BY track_name, artist_name
ORDER BY total_minutes DESC
LIMIT 11;
```

	track_name	artist_name	total_...
0	Familiar	Agnes Obel	93.0717166667
1	Big Jet Plane	Angus & Julia Stone	87.6675666667
2	Cigar	Tamino	82.7734
3	Broken Sleep	Agnes Obel	79.924
4	Walk On the Wild Side	Lou Reed	77.8795666667
5	The Leanover	Life Without Buildings	73.67085
6	Indigo Night	Tamino	73.6642333333
7	The First Disciple	Tamino	73.5688833333
8	Riverside	Agnes Obel	72.89425
9	Big Black Car	Gregory Alan Isakov	68.5899333333
10	Don't Go Breaking My Heart	Elton John	65.4106833333

Rows: 11

2023_2024 DataFrame as

```sql
-- Top Tracks by Number of times Played (2024)
SELECT
    track_name,
```

```
    artist_name,
    COUNT(*) as times_played
FROM '2023_2024.csv'
WHERE year = 2024
AND artist_name NOT LIKE '%ASMR%'
GROUP BY track_name, artist_name
ORDER BY COUNT(*) DESC
LIMIT 11;
```

	track_name	artist_name	time...
0	Familiar	Agnes Obel	29
1	Big Jet Plane	Angus & Julia Stone	24
2	Walk On the Wild Side	Lou Reed	24
3	Cigar	Tamino	24
4	Riverside	Agnes Obel	23
5	It's Called: Freefall	Rainbow Kitten Surprise	22
6	3 Nights	Dominic Fike	22
7	Indigo Night	Tamino	21
8	Big Black Car	Gregory Alan Isakov	21
9	Someone New	Hozier	21
10	je sais pas danser	Pomme	20

Rows: 11

2023_2024 DataFrame as

```
-- Top Tracks by Minutes Played (2023)
SELECT
    track_name,
    artist_name,
    SUM(minutes_played) as total_minutes
FROM '2023_2024.csv'
WHERE year = 2023
AND artist_name NOT LIKE '%ASMR%'
GROUP BY track_name, artist_name
ORDER BY total_minutes DESC
LIMIT 11;
```

	track_name	artist_n...	total_mi...
0	Soldier, Poet, King	The Oh Hellos	110.0782833333
1	Riverside	Agnes Obel	108.3734666667
2	Wasting My Young Years	London Grammar	100.7039166667
3	Ya Sîdî	Orange Blossom	98.3157
4	Familiar	Agnes Obel	93.16015
5	Corps	Yseult	92.7110833333
6	grandiose	Pomme	82.4452666667
7	Où va le monde	La Femme	82.3009833333
8	Indigo Night	Tamino	77.0574666667
9	Cherry Wine - Live	Hozier	76.0467166667
10	Mystery of Love	Sufjan Stevens	75.3799666667

Rows: 11

2023_2024 DataFrame as

```
-- Top Tracks by Number of times Played (2023)
SELECT
    track_name,
    artist_name,
    COUNT(*) as times_played
FROM '2023_2024.csv'
WHERE year = 2023
AND artist_name NOT LIKE '%ASMR%'
GROUP BY track_name, artist_name
ORDER BY COUNT(*) DESC
LIMIT 11;
```

	track_name	artist_na...	time...
0	Soldier, Poet, King	The Oh Hellos	52
1	Wasting My Young Years	London Grammar	32
2	Riverside	Agnes Obel	30
3	grandiose	Pomme	27
4	Familiar	Agnes Obel	24
5	Y tu te vas	La Femme	24
6	Strawberry Blond	Mitski	24
7	Mystery of Love	Sufjan Stevens	23
8	Corps	Yseult	22
9	Bloom - Bonus Track	The Paper Kites	22
10	Ya Sîdî	Orange Blossom	21

Rows: 11

2023_2024 DataFrame as

```sql
-- Daily Listening Pattern
SELECT
    date,
    SUM(minutes_played) as daily_minutes
FROM '2023_2024.csv'
WHERE year = 2024
GROUP BY date
ORDER BY date;
```

	date	daily_mi...
0	2024-01-01T00:00:00.000	28.3629333333
1	2024-01-02T00:00:00.000	91.2194
2	2024-01-03T00:00:00.000	79.8654833333
3	2024-01-04T00:00:00.000	16.2623666667
4	2024-01-05T00:00:00.000	52.1103666667
5	2024-01-06T00:00:00.000	122.46005
6	2024-01-07T00:00:00.000	73.9454
7	2024-01-08T00:00:00.000	52.8348166667
8	2024-01-09T00:00:00.000	262.8556333333
9	2024-01-10T00:00:00.000	36.2059166667
10	2024-01-11T00:00:00.000	31.5152
11	2024-01-12T00:00:00.000	40.5464333333
12	2024-01-13T00:00:00.000	50.81625
13	2024-01-14T00:00:00.000	65.99935
14	2024-01-15T00:00:00.000	54.3399
15	2024-01-16T00:00:00.000	44.8904166667

Rows: 347

streaming_history DataFrame as

```sql
-- Number of days listened to music + percentage
SELECT
    year,
    COUNT(DISTINCT date) AS days_listened,
    365 AS total_days_in_year,
    COUNT(DISTINCT date) * 1.0 / 365 * 100 AS fraction_of_days_listened
FROM 'streaming_history.csv'
GROUP BY year
ORDER BY year ASC
```

		days_l...	total_days_in_...	fraction_of_days_listened
0	2013	1	365	0.2739726027
1	2015	21	365	5.7534246575
2	2018	1	365	0.2739726027
3	2019	205	365	56.1643835616
4	2020	288	365	78.904109589
5	2021	328	365	89.8630136986
6	2022	341	365	93.4246575342
7	2023	331	365	90.6849315068
8	2024	347	365	95.0684931507
9	2025	14	365	3.8356164384

Rows: 10

streaming_history DataFrame as

```sql
-- Days I discovered my favorite artists of all times (2017-2025)
WITH artist_play_counts AS (
    SELECT artist_name, COUNT(*) AS play_count
    FROM 'streaming_history.csv'
    GROUP BY artist_name
    ORDER BY play_count DESC
    LIMIT 11
),
first_listen_dates AS (
    SELECT artist_name, MIN(date) AS first_listen_date
    FROM 'streaming_history.csv'
    GROUP BY artist_name
)

SELECT
    a.artist_name,
    f.first_listen_date,
    a.play_count
FROM artist_play_counts a
JOIN first_listen_dates f ON a.artist_name = f.artist_name
ORDER BY a.play_count DESC;
```

	artist_na...	first_listen_date	p...
0	ABBA	2019-05-20T00:00:00.000	662
1	Angèle	2019-06-08T00:00:00.000	590
2	Pomme	2020-08-04T00:00:00.000	562
3	Imagine Dragons	2019-03-22T00:00:00.000	545
4	Rihanna	2015-04-02T00:00:00.000	465
5	Queen	2015-10-17T00:00:00.000	460
6	René Aubry	2020-07-16T00:00:00.000	458
7	Tamino	2020-03-24T00:00:00.000	413
8	Agnes Obel	2020-03-23T00:00:00.000	363
9	Hozier	2015-04-02T00:00:00.000	348
10	Olivia Ruiz	2019-05-15T00:00:00.000	314

Rows: 11

2023_2024 DataFrame as

Write SQL code or tell our AI what to do

2023_2024 DataFrame as

```sql
-- Love-Hate Relationship Songs 2024

-- Temporary table to store additional details
CREATE TEMPORARY TABLE top_tracks_details AS
SELECT
    track_name,
    artist_name,
    album_name,
    COUNT(*) as total_plays,
    SUM(CASE WHEN skipped THEN 1 ELSE 0 END) as skip_count,
    SUM(minutes_played) as total_minutes
FROM '2023_2024.csv'
WHERE
    year = 2024
    AND artist_name NOT LIKE '%ASMR%'
GROUP BY track_name, artist_name, album_name;
```

```sql
-- Select the top 100 tracks based on play count and join with the temporary table to get the final result
SELECT
    d.track_name,
    d.artist_name,
    d.album_name,
    d.total_plays,
    d.skip_count,
    d.total_minutes
FROM top_tracks_details d
ORDER BY d.total_plays DESC, d.skip_count DESC
LIMIT 101;
```

	track_name	artist_name	album_name	tot...	s...
0	Familiar	Agnes Obel	Citizen of Glass	29	
1	Cigar	Tamino	Amir	24	
2	Walk On the Wild Side	Lou Reed	Transformer	24	
3	Big Jet Plane	Angus & Julia Stone	Down The Way	24	
4	Riverside	Agnes Obel	Philharmonics	23	
5	It's Called: Freefall	Rainbow Kitten Surprise	How to: Friend, Love, Freefall	22	
6	3 Nights	Dominic Fike	Don't Forget About Me, Demos	22	
7	Someone New	Hozier	Hozier	21	
8	Indigo Night	Tamino	Amir	21	
9	Big Black Car	Gregory Alan Isakov	This Empty Northern Hemisphere	21	
10	Higher Ground - Remastered 2003	Red Hot Chili Peppers	Mother's Milk	20	
11	Le Tournie	NOUR	Après l'orage	20	
12	Wasting My Young Years	London Grammar	If You Wait	20	
13	Take Me To Church	Hozier	Hozier	19	
14	Broken Sleep	Agnes Obel	Myopia	19	
15	Back To Black	Amy Winehouse	Back To Black	19	

Rows: 101

2023_2024 DataFrame as

```sql
-- Love-Hate Relationship Songs 2023

-- Temporary table to store additional details
CREATE TEMPORARY TABLE top_tracks_details AS
SELECT
    track_name,
    artist_name,
    album_name,
    COUNT(*) as total_plays,
    SUM(CASE WHEN skipped THEN 1 ELSE 0 END) as skip_count,
    SUM(minutes_played) as total_minutes
FROM '2023_2024.csv'
WHERE
    year = 2023
GROUP BY track_name, artist_name, album_name;

-- Select the top 100 tracks based on play count and join with the temporary table to get the final result
SELECT
    d.track_name,
    d.artist_name,
    d.album_name,
    d.total_plays,
    d.skip_count,
    d.total_minutes
FROM top_tracks_details d
ORDER BY d.total_plays DESC, d.skip_count DESC
LIMIT 101;
```

track_name	artist_name	album_name	tot…	s…