

Documentation

Data cleaning

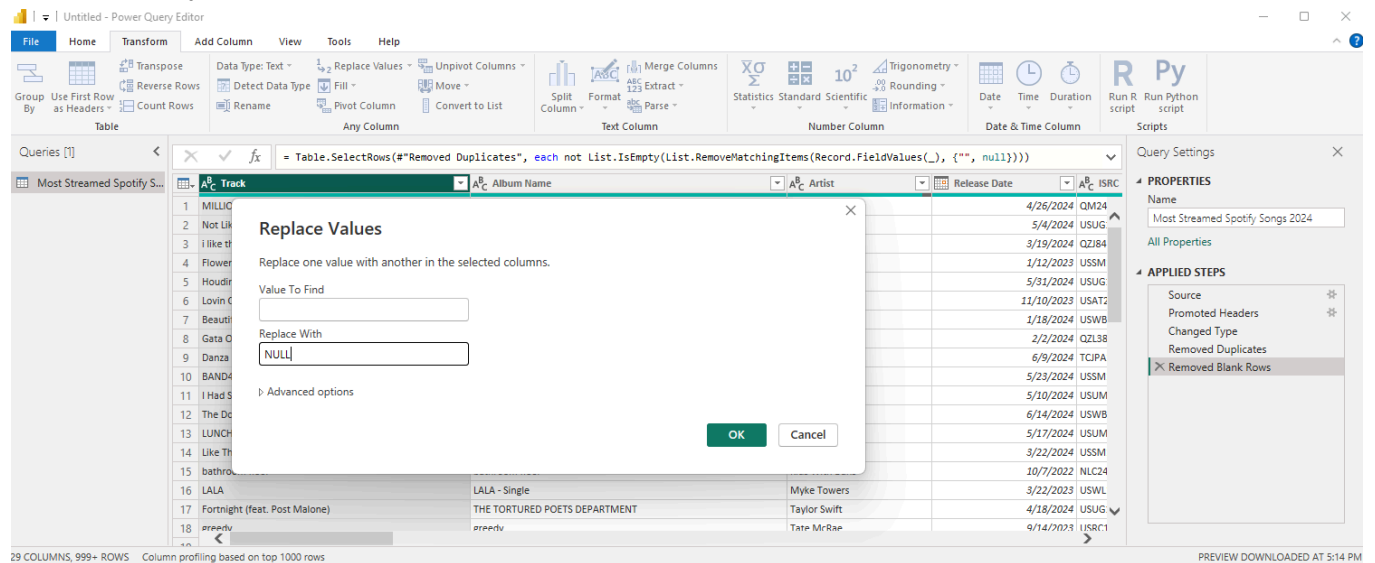
Remove duplicates

The screenshot shows the Power Query Editor interface. The 'Remove Rows' menu is open, and 'Remove Duplicates' is selected. The data table has columns: Track, Album Name, Artist, Release Date, and ISRC. The 'Track' column contains 18 items, including 'MILLION DOLLAR BABY', 'Not Like Us', 'I like the way you kiss me', 'Flowers', 'Houdini', 'Lovin On Me', 'Beautiful Things', 'Gata Only', 'Danza Kuduro - Cover', 'BAND4BAND (feat. Lil Baby)', 'I Had Some Help (feat. Morgan Wallen)', 'The Door', 'LUNCH', 'Like That', 'bathroom floor', 'LALA', 'Fortnight (feat. Post Malone)', and 'arredv'. The 'Album Name' column contains corresponding album names. The 'Artist' column contains artist names like 'Artemas', 'Miley Cyrus', 'Eminem', 'Jack Harlow', 'Benson Boone', 'FlooyMenor', 'MUSIC LAB JPN', 'Central Cee', 'Post Malone', 'Teddy Swims', 'Billie Eilish', 'Future', 'Kids With Buns', 'Myke Towers', 'Taylor Swift', and 'Tate McRae'. The 'Release Date' column contains dates like '4/26/2024', '1/12/2023', '5/31/2024', '11/10/2023', '1/18/2024', '2/2/2024', '6/9/2024', '5/23/2024', '5/10/2024', '6/14/2024', '5/17/2024', '3/22/2024', '10/7/2022', '3/22/2023', '4/18/2024', and '9/14/2021'. The 'ISRC' column contains codes like 'QM24', 'USUG', 'QZJ84', 'USSM', 'USAT2', 'USWB', 'QZL38', 'TCJPA', 'USUM', 'NLC24', 'USWL', and 'USRC1'. The 'Query Settings' pane on the right shows the 'Properties' tab with the name 'Most Streamed Spotify Songs 2024' and the 'Applied Steps' tab with 'Source', 'Promoted Headers', and 'Changed Type'.

Remove blank rows

The screenshot shows the Power Query Editor interface. The 'Remove Rows' menu is open, and 'Remove Blank Rows' is selected. The data table has columns: Track, Album Name, Artist, Release Date, and ISRC. The 'Track' column contains 18 items, including 'MILLION DOLLAR BABY', 'Not Like Us', 'I like the way you kiss me', 'Flowers', 'Houdini', 'Lovin On Me', 'Beautiful Things', 'Gata Only', 'Danza Kuduro - Cover', 'BAND4BAND (feat. Lil Baby)', 'I Had Some Help (feat. Morgan Wallen)', 'The Door', 'LUNCH', 'Like That', 'bathroom floor', 'LALA', 'Fortnight (feat. Post Malone)', and 'arredv'. The 'Album Name' column contains corresponding album names. The 'Artist' column contains artist names like 'Artemas', 'Miley Cyrus', 'Eminem', 'Jack Harlow', 'Benson Boone', 'FlooyMenor', 'MUSIC LAB JPN', 'Central Cee', 'Post Malone', 'Teddy Swims', 'Billie Eilish', 'Future', 'Kids With Buns', 'Myke Towers', 'Taylor Swift', and 'Tate McRae'. The 'Release Date' column contains dates like '4/26/2024', '1/12/2023', '5/31/2024', '11/10/2023', '1/18/2024', '2/2/2024', '6/9/2024', '5/23/2024', '5/10/2024', '6/14/2024', '5/17/2024', '3/22/2024', '10/7/2022', '3/22/2023', '4/18/2024', and '9/14/2021'. The 'ISRC' column contains codes like 'QM24', 'USUG', 'QZJ84', 'USSM', 'USAT2', 'USWB', 'QZL38', 'TCJPA', 'USUM', 'NLC24', 'USWL', and 'USRC1'. The 'Query Settings' pane on the right shows the 'Properties' tab with the name 'Most Streamed Spotify Songs 2024' and the 'Applied Steps' tab with 'Source', 'Promoted Headers', 'Changed Type', and 'Removed Duplicates'.

Replace empty cells to NULL values



Replace one value with another in the selected columns.

Value To Find:

Replace With:

Advanced options

OK Cancel

Query Settings

PROPERTIES

Name: Most Streamed Spotify Songs 2024

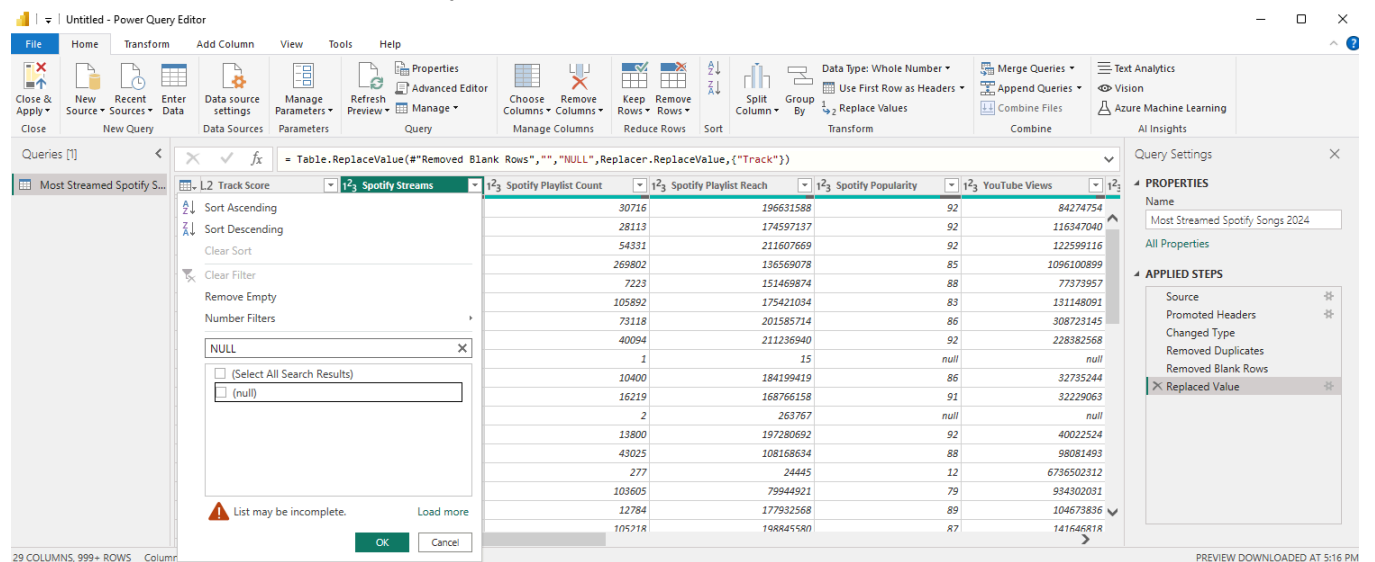
APPLIED STEPS

- Source
- Promoted Headers
- Changed Type
- Removed Duplicates
- Removed Blank Rows

29 COLUMNS, 999+ ROWS Column profiling based on top 1000 rows

PREVIEW DOWNLOADED AT 5:14 PM

Check that columns don't have any NULL value



Remove Empty

Number Filters

NULL

(Select All Search Results)

(null)

List may be incomplete. Load more

OK Cancel

Query Settings

PROPERTIES

Name: Most Streamed Spotify Songs 2024

APPLIED STEPS

- Source
- Promoted Headers
- Changed Type
- Removed Duplicates
- Removed Blank Rows
- Replaced Value

29 COLUMNS, 999+ ROWS Column

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Untitled - Power Query Editor

File Home Transform Add Column View Tools Help

Close & Apply New Source Recent Sources Enter Data Data source settings Manage Parameters Refresh Preview Properties Advanced Editor Choose Columns Remove Columns Keep Rows Remove Rows Split Column Group By Data Type: Text Use First Row as Headers Append Queries Merge Queries Text Analytics Vision Azure Machine Learning Combine Files Combine Queries

Close & Apply New Query

Queries [1] = Table.Distinct("#Changed Type", {"Track"})

Most Streamed Spotify S...

Track Album Name

1 MILLION DOLLAR BABY Million Dollar Baby - Single

2 Not Like Us Not Like Us

3 I like the way you kiss me I like the way you kiss me

4 Flowers Flowers - Single

5 Houdini Houdini

6 Lovin On Me Jack Harlow

7 Beautiful Things Benson Boone

8 Gata Only FloyMenor

9 Danza Kuduro - Cover MUSIC LAB JPN

10 BAND4BAND (feat. Lil Baby) Central Cee

11 I Had Some Help (feat. Morgan Wallen) Post Malone

12 The Door Teddy Swims

13 LUNCH HIT ME HARD AND SOFT Billie Eilish

14 Like That WE DON'T TRUST YOU Future

15 bathroom floor bathroom floor Kids With Buns

16 LALA LALA - Single Myke Towers

17 Fortnite (feat. Post Malone) THE TORTURED POETS DEPARTMENT Taylor Swift

18 ready Tate McRae

Remove Top Rows Remove Bottom Rows Remove Alternate Rows Remove Duplicates Remove Blank Rows Remove Errors

Release Date

4/26/2024 QM24

5/4/2024 USUG

3/19/2024 QZ184

1/12/2023 USSM

5/31/2024 USUG

11/10/2023 USAT7

1/18/2024 USWB

2/2/2024 QZL38

6/9/2024 TC1PA

5/23/2024 USSM

5/10/2024 USUM

6/14/2024 USWB

5/17/2024 USUM

3/22/2024 USSM

10/7/2022 NLC24

3/22/2023 USWL

4/18/2024 USUG

9/14/2023 ISRC1

PROPERTIES

Name

Most Streamed Spotify Songs 2024

APPLIED STEPS

Source

Promoted Headers

Changed Type

Removed Duplicates

29 COLUMNS, 999+ ROWS Column profiling based on top 1000 rows

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[illegible]

Choose the columns that are going to be used in the project

Choose Columns

Choose the columns to keep

Search Columns

- ☐ (Select All Columns)
- ☒ Track
- ☒ Album Name
- ☒ Artist
- ☒ Release Date
- ☐ ISRC
- ☒ All Time Rank
- ☒ Track Score
- ☒ Spotify Streams
- ☒ Spotify Playlist Count
- ☒ Spotify Playlist Reach
- ☒ Spotify Popularity
- ☒ YouTube Views
- ☒ YouTube Likes
- ☐ TikTok Posts
- ☒ TikTok Likes
- ☒ TikTok Views
- ☐ YouTube Playlist Reach
- ☒ Apple Music Playlist Count
- ☐ AirPlay Spins

OK Cancel

Table.SelectColumns

21 COLUMNS, 541 ROWS Column profiling based on top 1000 rows

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Choose Columns

Choose the columns to keep

Search Columns

- ☒ Spotify Playlist Count
- ☒ Spotify Playlist Reach
- ☒ Spotify Popularity
- ☒ YouTube Views
- ☒ YouTube Likes
- ☐ TikTok Posts
- ☐ TikTok Likes
- ☒ TikTok Views
- ☐ YouTube Playlist Reach
- ☒ Apple Music Playlist Count
- ☐ AirPlay Spins
- ☐ SiriusXM Spins
- ☐ Deezer Playlist Count
- ☐ Deezer Playlist Reach
- ☒ Amazon Playlist Count
- ☒ Pandora Streams
- ☐ Pandora Track Stations
- ☒ Soundcloud Streams
- ☒ Shazam Counts
- ☒ Explicit Track

OK Cancel

Table.SelectColumns

21 COLUMNS, 541 ROWS Column profiling based on top 1000 rows

PREVIEW DOWNLOADED AT 5:33 PM

Check column quality to ensure there are no errors or empty values.

- Valid should be at 100%
- Error should be at 0%
- Empty should be at 0%

Track	Album Name	Artist	Release Date	ISRC	All Time Rank	Track Score
1 MILLION DOLLAR BABY	Million Dollar Baby - Single	Tommy Richman	4/26/2024	QM2452402528	1	
2 Not Like Us	Not Like Us	Kendrick Lamar	5/4/2024	USUG12400910	2	
3 I like the way you kiss me	I like the way you kiss me	Artemas	9/19/2024	USJ42400387	3	
4 Lovin On Me	Lovin On Me	Jack Harlow	11/19/2023	USAT23111371	4	
5 BANDABAND (feat. Lil Baby)	BANDABAND (feat. Lil Baby)	Central Cee	5/23/2024	USM412404354	10	
6 LUNCH	HIT ME HARD AND SOFT	Billie Eilish	5/17/2024	USUM72401991	13	
7 LALA	LALA - Single	Myke Towers	9/22/2023	USW112300002	16	
8 Fortnight (feat. Post Malone)	THE TORTURED POETS DEPARTMENT	Taylor Swift	4/18/2024	USUG12401028	17	
9 BLUE	HIT ME HARD AND SOFT	Billie Eilish	5/17/2024	USUM72401996	19	
10 Espresso	Espresso	Sabrina Carpenter	4/12/2024	USUM72403305	22	
11 SHEESH	BABYMONSTER	BABYMONSTER	4/1/2024	KRAA02400016	32	
12 Water	Water	Tyla	7/28/2023	USM112305126	33	

Scripts and measures

These scripts were written in DAX code in power bi.

Script to get the **total of streams**.

It was necessary to add all the different streams of each media.

Spotify Streams + Pandora Streams + SoundCloud Streams + TikTok Views + YouTube Views = total streams

```

1 Total Streams =
2 CALCULATE(
3     SUM('Most Streamed Spotify Songs 2024'[Spotify Streams]) +
4     SUM('Most Streamed Spotify Songs 2024'[Pandora Streams]) +
5     SUM('Most Streamed Spotify Songs 2024'[SoundCloud Streams]) +
6     SUM('Most Streamed Spotify Songs 2024'[TikTok Views]) +
7     SUM('Most Streamed Spotify Songs 2024'[YouTube Views])
8 )
  
```

Measure to get the song with the **maximum stream** from the total of streams.

```

1 Max Streams = MAXX('Most Streamed Spotify Songs 2024', [Total Streams])
  
```