

DB Browser for SQLite - C:\Users\DelI\Desktop\sql for data analysis.sqbpro [netflix_data.csv]

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Database StructureBrowse DataEdit PragmaExecute SQL

Table: netflix_data

	show_id	type	title	director	cast	
	Filter	Filter	Filter	Filter	Filter	Filter
1	s1	Movie	Dick Johnson Is Dead	Kirsten Johnson	NULL	United States
2	s2	TV Show	Blood & Water	NULL	Ama Qamata, Khosi Ngema, Gail ...	South Africa
3	s3	TV Show	Ganglands	Julien Leclercq	Sami Bouajila, Tracy Gotoas, Samuel ...	NULL
4	s4	TV Show	Jailbirds New Orleans	NULL	NULL	NULL
5	s5	TV Show	Kota Factory	NULL	Mayur More, Jitendra Kumar, Ranjan ...	India
6	s6	TV Show	Midnight Mass	Mike Flanagan	Kate Siegel, Zach Gilford, Hamish ...	NULL
7	s7	Movie	My Little Pony: A New Generation	Robert Cullen, José Luis Ucha	Vanessa Hudgens, Kimiko Glenn, James...	NULL
8	s8	Movie	Sankofa	Haile Gerima	Kofi Ghanaba, Oyafunmike Ogunlano, ...	United States, Gh.
9	s9	TV Show	The Great British Baking Show	Andy Devonshire	Mel Giedroyc, Sue Perkins, Mary ...	United Kingdom
10	s10	Movie	The Starling	Theodore Melfi	Melissa McCarthy, Chris O'Dowd, Kevi...	United States
11	s11	TV Show	Vendetta: Truth, Lies and The Mafia	NULL	NULL	NULL
12	s12	TV Show	Bangkok Breaking	Kongkiat Komesiri	Sukollawat Kanarot, Sushar Manaying,...	NULL
13	s13	Movie	Je Suis Karl	Christian Schwochow	Luna Wedler, Jannis Niewöhner, Milan...	Germany, Czech Rej
14	s14	Movie	Confessions of an Invisible Girl	Bruno Garotti	Klara Castanho, Lucca Picon, Júlia ...	NULL
15	s15	TV Show	Crime Stories: India Detectives	NULL	NULL	NULL
16	s16	TV Show	Dear White People	NULL	Logan Browning, Brandon P. Bell, ...	United States
17	s17	Movie	Europe's Most Dangerous Man: Otto ...	Pedro de Echave García, Pablo Azorín...	NULL	NULL
18	s18	TV Show	Falsa identidad	NULL	Luis Ernesto Franco, Camila Sodi, ...	Mexico
19	s19	Movie	Intrusion	Adam Salky	Freida Pinto, Logan Marshall-Green, ...	NULL
20	s20	TV Show	Jaguar	NULL	Blanca Suárez, Iván Marcos, Óscar ...	NULL
21	s21	TV Show	Monsters Inside: The 24 Faces of ...	Olivier Megaton	NULL	NULL
22	s22	TV Show	Resurrection: Ertugrul	NULL	Engin Altan Düzyatan, Serdar Gökhan,...	Turkey
23	s23	Movie	Azumi Sharmushi	Y. S. Ravikumar	Kamal Haasan, Meera, Gajini, Ganesh...	NULL

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Go to: 1

Edit Database Cell

Mode: Text

1

Editing row=1, column=0
Type: Text / Numeric; Size: 1 character(s)

Apply

DB Schema

Name	Type	Schema
Tables (2)		
netflix_data	CREATE	
ratings_info	CREATE	
Indices (0)		
Views (1)		
recent_movies	CREATE	
Triggers (0)		

SQL LogPlotDB SchemaRemote

UTF-8

Database StructureBrowse DataEdit PragmasExecute SQL

SQL 1*

```
1 SELECT*from netflix_data;
2 PRAGMA table_info(netflix_data);
3 -- Find all TV Shows released after 2018, ordered by release year
4 SELECT title, release_year, type
5 FROM netflix_data
6 WHERE type = 'TV Show' AND release_year > 2020
7 ORDER BY release_year DESC;
8
9
10
```

	title	release_year	type
1	Blood & Water	2021	TV Show
2	Ganglands	2021	TV Show
3	Jailbirds New Orleans	2021	TV Show
4	Kota Factory	2021	TV Show
5	Midnight Mass	2021	TV Show
6	The Great British Baking Show	2021	TV Show
7	Vendetta: Truth, Lies and The Mafia	2021	TV Show
8	Bangkok Breaking	2021	TV Show
9	Crime Stories: India Detectives	2021	TV Show
10	Dear White People	2021	TV Show
11	Jaguar	2021	TV Show
12	Monsters Inside: The 24 Faces of ...	2021	TV Show
13	Love on the Spectrum	2021	TV Show
14	Chicago Party Aunt	2021	TV Show
15	Squid Game	2021	TV Show

	cid	name	type	notnull	dflt_value	pk
1	0	show_id	TEXT	0	NULL	0
2	1	type	TEXT	0	NULL	0
3	2	title	TEXT	0	NULL	0
4	3	director	TEXT	0	NULL	0
5	4	cast	TEXT	0	NULL	0
6	5	country	TEXT	0	NULL	0
7	6	date_added	TEXT	0	NULL	0
8	7	release_year	INTEGER	0	NULL	0
9	8	rating	TEXT	0	NULL	0
10	9	duration	TEXT	0	NULL	0
11	10	listed_in	TEXT	0	NULL	0
12	11	description	TEXT	0	NULL	0

```
-- creating a view
DROP VIEW IF EXISTS recent_movies;
CREATE VIEW recent_movies AS
SELECT title, release_year, country FROM netflix_data WHERE type = 'Movie';








SELECT * FROM recent_movies ORDER BY release_year DESC
LIMIT 5;
```

title	release_year	country
My Little Pony: A New Generation	2021	<i>NULL</i>
The Starling	2021	United States
Je Suis Karl	2021	Germany, Czech Republic
Confessions of an Invisible Girl	2021	<i>NULL</i>
Intrusion	2021	<i>NULL</i>

No cell active.
Type: NULL; Size: 0 bytes

Apply

DB Schema

Name	Type	Schema
▼  Tables (2)		
>  netflix_data		CREATE TABLE "netflix_data" ("show_id" TEXT, "type" TEXT,
>  ratings_info		CREATE TABLE ratings_info (rating TEXT PRIMARY KEY,audio
 Indices (0)		
▼  Views (1)		
>  recent_movies		CREATE VIEW recent_movies AS SELECT title, release_year, c
 Triggers (0)		

SQL Log

Plot

DB Schema

Remote

SQL 1*

```
7
8 -- Count of movies and TV shows by type
9 SELECT type, COUNT(*) AS count FROM netflix_data GROUP BY type;
10
11
12
13
14
15
16
```

	type	count
1	Movie	6131
2	TV Show	2676

SQL 1*

```
30
31 -- Subqueries ( finding the longest duration movie)
32 SELECT title, duration FROM netflix_data WHERE type = 'Movie'
33 ORDER BY CAST(SUBSTR(duration, 1, INSTR(duration, ' ') - 1) AS INTEGER) DESC
34 LIMIT 1;
35
36
37
38
```

	title	duration
1	Black Mirror: Bandersnatch	312 min

```

44
45 -- Insights query(Which 5 countries have the most Netflix content in this dataset?)
46 SELECT country, COUNT(*) AS total
47 FROM netflix_data
48 GROUP BY country
49 ORDER BY total DESC
50 LIMIT 5;
51
52
53
54
55
56
57

```

	country	total
1	United States	2818
2	India	972
3	NULL	831
4	United Kingdom	419
5	Japan	245

No cell active.

Type: NULL; Size: 0 bytes

Apply

DB Schema

Name	Type	Schema
▼ Tables (2)		
> netflix_data		CREATE TABLE "netflix_dat
> ratings_info		CREATE TABLE ratings_infc
Indices (0)		
▼ Views (1)		
> recent_movies		CREATE VIEW recent_movi
Triggers (0)		

```

69
70
71 -- sum
72 SELECT SUM(CASE WHEN type = 'Movie' THEN 1 ELSE 0 END) AS total_movies
73 FROM netflix_data;
74
75
76
77
78
79

```

	total_movies
1	6131

```

74
75 -- average
76 SELECT AVG(release_year) AS avg_movie_year
77 FROM netflix_data
78 WHERE type = 'Movie';
79
80

```

	avg_movie_year
1	2013.12151361931

```
79
80
81 --Creating a new table (adding a column "audience", using the rating for better understanding)
82 DROP TABLE IF EXISTS ratings_info;
83 CREATE TABLE ratings_info (rating TEXT PRIMARY KEY, audience TEXT);
84
85 --Inserting values
86 INSERT INTO ratings_info (rating, audience) VALUES
87 ('PG', 'Family'),
88 ('R', 'Adults'),
89 ('TV-MA', 'Mature'),
90 ('TV-Y', 'Kids');
91 SELECT * from ratings_info;
```

	rating	audience
1	PG	Family
2	R	Adults
3	TV-MA	Mature
4	TV-Y	Kids

SQL 1

```
24
25 --Joining and viewing data
26 SELECT netflix_data.title, netflix_data.rating, ratings_info.audience
27 FROM netflix_data
28 LEFT JOIN ratings_info ON netflix_data.rating = ratings_info.rating
29 LIMIT 15;
30 -- INNER JOIN
31 SELECT
32     n.title,
33     n.rating,
34     r.audience
35 FROM netflix_data AS n
36 INNER JOIN ratings_info AS r
37     ON n.rating = r.rating;
38
39
40 -- Subqueries ( finding the longest duration movie)
41 SELECT title, duration FROM netflix_data WHERE type = 'Movie'
```

	title	rating	audience
1	Blood & Water	TV-MA	Mature
2	Ganglands	TV-MA	Mature
3	Jailbirds New Orleans	TV-MA	Mature
4	Kota Factory	TV-MA	Mature
5	Midnight Mass	TV-MA	Mature
6	My Little Pony: A New Generation	PG	Family
7	Sankofa	TV-MA	Mature
8	Vendetta: Truth, Lies and The Mafia	TV-MA	Mature