

NETFLIX CONTENT ANALYSIS

TABLE STRUCTURE

```
-- TABLE STRUCTURE
-- Create Netflix titles table
CREATE TABLE netflix (
    show_id VARCHAR(10),
    type VARCHAR(10),
    title VARCHAR(150),
    director VARCHAR(208),
    casts VARCHAR(1000),
    country VARCHAR(150),
    date_added VARCHAR(50),
    release_year INT,
    rating VARCHAR(50),
    duration VARCHAR(50),
    listed_in VARCHAR(100),
    description VARCHAR(300)
);

-- View raw data
SELECT * FROM netflix;
```

Result

	show_id	type	title	director	casts	country	date_added	release	rating	duration	listed_in	description
1	s1	Movie	Dick Johnson Is Dead	Kirsten Johnson	[null]	United States	September 25, 2021	2020	PG-13	90 min	Documentaries	As her father near...
2	s2	TV Show	Blood & Water	[null]	Ama Qamata, Khosi Ngema, G...	South Africa	September 24, 2021	2021	TV-MA	2 Seasons	International TV Shows, TV Drama...	After crossing pat...
3	s3	TV Show	Ganglands	Julien Leclercq	Sami Bouajila, Tracy Gotoas, ...	[null]	September 24, 2021	2021	TV-MA	1 Season	Crime TV Shows, International TV ...	To protect his fam...
4	s4	TV Show	Jailbirds New Orleans	[null]	[null]	[null]	September 24, 2021	2021	TV-MA	1 Season	Docuseries, Reality TV	Feuds, flirtations &...
5	s5	TV Show	Kota Factory	[null]	Mayur More, Jitendra Kumar, ...	India	September 24, 2021	2021	TV-MA	2 Seasons	International TV Shows, Romantic ...	In a city of coachir...
6	s6	TV Show	Midnight Mass	Mike Flanagan	Kate Siegel, Zach Gilford, Ha...	[null]	September 24, 2021	2021	TV-MA	1 Season	TV Dramas, TV Horror, TV Mystery...	The arrival of a ch...
7	s7	Movie	My Little Pony: A New ...	Robert Cullen, ...	Vanessa Hudgens, Kimiko Gle...	[null]	September 24, 2021	2021	PG	91 min	Children & Family Movies	Equestria's divide...
8	s8	Movie	Sankofa	Halle Gerima	Kofi Ghanaba, Oyafunmike Og...	United States,...	September 24, 2021	1993	TV-MA	125 min	Dramas, Independent Movies, Inte...	On a photo shoot i...
9	s9	TV Show	The Great British Bakin...	Andy Devonsh...l	Mel Giedroyc, Sue Perkins, Ma...	United Kingdo...	September 24, 2021	2021	TV-14	9 Seasons	British TV Shows, Reality TV	A talented batch o...
10	s10	Movie	The Starling	Theodore Melfi	Melissa McCarthy, Chris O'Do...	United States	September 24, 2021	2021	PG-13	104 min	Comedies, Dramas	A woman adjustin...
11	s11	TV Show	Vendetta: Truth, Lies a...	[null]	[null]	[null]	September 24, 2021	2021	TV-MA	1 Season	Crime TV Shows, Docuseries, Inter...	Sicily battles a bol...

CATALOG OVERVIEW

- Total number of titles in the dataset

```
SELECT COUNT(*) AS total_titles
FROM netflix;
```

Result

Data Output		Mess
total_titles	bigint	8807

- Count of Movies vs TV Shows

```
SELECT type, COUNT(*) AS total_content
FROM netflix
GROUP BY type;
```

Result

Data Output		Messages	Notific
type	character va	total_content	bigint
1	Movie	6131	
2	TV Show	2676	

- Distinct content types available

```
SELECT DISTINCT type
FROM netflix;
```

Result

	type
1	Movie
2	TV Show

RELEASE YEAR & CONTENT TIMELINE

4. List all the movies released in a specific year (example: 2020)

```
SELECT *
FROM netflix
WHERE release_year = 2020
AND type = 'Movie';
```

Result

Data Output													Messages			Notifications		
show_id	type	title	director	casts	country	date_added	release_year	rating	duration	listed_in	description							
s1	Movie	Dick Johnson Is Dead	Kirsten Johnson	[null]	United States	September 25, 2021	2020	PG-13	90 min	Documentaries	As her father near							
s17	Movie	Europe's Most Dangerous	Pedro de Echa...	[null]	[null]	September 22, 2021	2020	TV-MA	67 min	Documentaries, International Mov...	Declassified docu							
s79	Movie	Tughlaq Durbar	Delliprasad...	Vijay Sethupathi, Parthiban, R...	[null]	September 11, 2021	2020	TV-14	145 min	Comedies, Dramas, International ...	A budding politicia							
s85	Movie	Omo Ghetto: the Saga	JJC Skillz, Fun...	Funke Akindele, Ayo Makun, C...	Nigeria	September 10, 2021	2020	TV-MA	147 min	Action & Adventure, Comedies, Dr...	Twins are reunited							
s104	Movie	Shadow Parties	Yemi Amodu	Jide Kosoko, Omotola Jalade...	[null]	September 6, 2021	2020	TV-MA	117 min	Dramas, International Movies, Thr...	A family faces des							
s120	Movie	Here and There	JP Habac	Janine Gutierrez, JC Santos, V...	[null]	September 2, 2021	2020	TV-MA	99 min	Dramas, International Movies, Ro...	After meeting thro							
s127	Movie	Shikara	Vidhu Vinod C...	Aadil Khan, Sadia Khateeb, Za...	India	September 2, 2021	2020	TV-14	115 min	Dramas, International Movies, Ro...	A couple must stri							
s228	Movie	Really Love	Angel Kristi Wi...	Kofi Siriboe, Yootha Wong-Loi...	United States	August 25, 2021	2020	TV-MA	95 min	Dramas, Independent Movies, Ro...	A rising Black pain							

Total rows: 517 Query complete 00:00:00.228

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5. What is the earliest release year in the dataset

```
SELECT MIN(release_year) AS earliest_release_year
FROM netflix;
```

Result

earliest_release_year
1925

6. Movies and TV Shows count by release year

```
SELECT release_year, type, COUNT(*) AS total_titles
FROM netflix
GROUP BY release_year, type
ORDER BY release_year;
```

Result

Data Output				Messages			Notifications		
	release_year	type	total_titles						
1	1925	TV Show	1						
2	1942	Movie	2						
3	1943	Movie	3						
4	1944	Movie	3						
5	1945	Movie	3						
6	1945	TV Show	1						
7	1946	TV Show	1						
8	1946	Movie	1						
9	1947	Movie	1						

Total rows: 119 Query complete 00:00:00.000

7. Identify the top 10 oldest titles currently available on Netflix.

```
SELECT title, (date_added::DATE) AS netflix_date
FROM netflix
WHERE release_year IS NOT NULL
ORDER BY netflix_date, title
LIMIT 10;
```

Result

	title character varying (150)	netflix_date date
1	To and From New York	2008-01-01
2	Dinner for Five	2008-02-04
3	Just Another Love Story	2009-05-05
4	Splatter	2009-11-18
5	Mad Ron's Previews fro...	2010-11-01
6	Even the Rain	2011-05-17
7	Joseph: King of Dreams	2011-09-27
8	A Stoning in Fulham C...	2011-10-01
9	Adam: His Song Conti...	2011-10-01

Total rows: 10 Query complete 00:00:00

8. Find titles that were added to Netflix more than 5 years after their release year.

```
SELECT title, release_year, date_added
FROM netflix
WHERE date_added IS NOT NULL
AND EXTRACT(YEAR FROM date_added::DATE) - release_year > 5;
```

Result

	title character varying (150)	release_year integer	date_added character varying (50)
1	Sankofa	1993	September 24, 2021
2	Khawatir	2009	July 30, 2021
3	Avvai Shanmughi	1996	September 21, 2021
4	Jeans	1998	September 21, 2021
5	Minsara Kanavu	1997	September 21, 2021
6	Grown Ups	2010	September 20, 2021
7	Dark Skies	2013	September 19, 2021
8	Paranoia	2013	September 19, 2021
9	Jaws	1975	September 16, 2021

Total rows: 2124 Query complete 00:00:00.194

9. Calculate the total number of titles added to Netflix in each year, ordered chronologically.

```
SELECT EXTRACT(YEAR FROM date_added::DATE) AS year_added, COUNT(*) AS total_titles
FROM netflix
WHERE date_added IS NOT NULL
GROUP BY year_added
ORDER by year_added;
```

Result

	year_added numeric	total_titles bigint
1	2008	2
2	2009	2
3	2010	1
4	2011	13
5	2012	3
6	2013	11
7	2014	24
8	2015	82
9	2016	429
Total rows: 14		Query complete

10. How many titles were added after 2019?

Result

```
SELECT COUNT(*) AS total_titles_after_2019
FROM netflix
WHERE date_added::date >= DATE '2020-01-01';
```

	total_titles_after_2019 bigint
1	3377

GENRE ANALYSIS & CONTENT DIVERSITY

11. How many titles mention “Drama” in their genre?

Result

```
SELECT COUNT(*) AS total_dramas
FROM netflix
WHERE listed_in ILIKE '%Drama%';
```

	total_dramas bigint
1	3190

12. List all movies that are documentaries

```
SELECT *
FROM netflix
WHERE listed_in ILIKE '%documentaries%';
```

Result

show_id	type	title	director	casts	country	date_added	release_year	rating	duration	listed_in
	character varying	character varying (150)	character varying	character varying (1000)	character varying	character varying (50)	integer	character varying	character varying	character varying
1	s1	Movie	Dick Johnson Is Dead	Kirsten Johnson	[null]	United States	September 25, 2021	2020	PG-13	90 min
2	s17	Movie	Europe's Most Dang...	Pedro de Echa...	[null]	[null]	September 22, 2021	2020	TV-MA	67 min
3	s46	Movie	My Heroes Were Co...	Tyler Greco	[null]	[null]	September 16, 2021	2021	PG	23 min
4	s69	Movie	Schumacher	Hans-Bruno K...	Michael Schumacher	[null]	September 15, 2021	2021	TV-14	113 min
5	s89	Movie	Blood Brothers: Mal...	Marcus Clarke	Malcolm X, Muhammad Ali	[null]	September 9, 2021	2021	PG-13	96 min
6	s92	Movie	The Women and the ...	Mona Achache...	[null]	France	September 9, 2021	2021	TV-14	92 min
7	s97	Movie	If I Leave Here Tom...	Stephen Kijak	Ronnie Van Zandt, Gary Rossli...	United States	September 7, 2021	2018	TV-MA	97 min
8	s102	Movie	Untitled: Breaking Pol...	Chapman Way...	[null]	United States	September 7, 2021	2021	TV-MA	80 min

Total rows: 869 Query complete 00:00:00.216

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13. Count the number of content items in each genre

```
SELECT genre, COUNT(DISTINCT show_id) AS total_titles
FROM (
  SELECT show_id, TRIM(UNNEST(STRING_TO_ARRAY(listed_in, ','))) AS genre
  FROM netflix
  WHERE listed_in IS NOT NULL
) t
GROUP BY genre
ORDER BY total_titles DESC;
```

Result

A screenshot of a database query interface. At the top, there are various icons for file operations like new, open, save, and export. To the right of these is a search bar and a 'SQL' button. Below the toolbar is a table with two columns: 'genre' (text type) and 'total_titles' (bigint type). The table contains 9 rows of data. At the bottom of the table, it says 'Total rows: 42' and 'Query complete 00:00:00.273'.

	genre	total_titles
	text	bigint
1	International Movies	2752
2	Dramas	2427
3	Comedies	1674
4	International TV Shows	1351
5	Documentaries	869
6	Action & Adventure	859
7	TV Dramas	763
8	Independent Movies	756
9	Children & Family Movies	641

14. For each release year, calculate the number of unique genres available on Netflix.

```
SELECT release_year, COUNT(DISTINCT genre) AS total_genre
FROM (
    SELECT *, TRIM(UNNEST(STRING_TO_ARRAY(listed_in, ','))) AS genre
    FROM netflix
    WHERE listed_in IS NOT NULL
)
GROUP BY release_year
ORDER BY total_genre DESC;
```

Result

A screenshot of a database query interface. It shows a table with two columns: 'release_year' (integer type) and 'total_genre' (bigint type). The table has 9 rows. At the bottom, it says 'Total rows: 74' and 'Query complete 00:00:00.273'.

	release_year	total_genre
	integer	bigint
1	2018	41
2	2017	41
3	2016	40
4	2019	40
5	2015	40
6	2020	40
7	2021	38
8	2014	38
9	2013	37

15. Which genres dominated Netflix's catalog each year, and how did genre popularity shift over time?

```
SELECT *
FROM (
    SELECT release_year, genre,
    COUNT(*) AS total_titles, RANK() OVER (PARTITION BY release_year ORDER BY COUNT(*) DESC) AS rk
    FROM (
        SELECT release_year, TRIM(UNNEST(STRING_TO_ARRAY(listed_in, ','))) AS genre
        FROM netflix
    ) t
    GROUP BY release_year, genre
) ranked
WHERE rk <= 3
ORDER BY release_year, rk;
```

Result

	release_year	genre	total_titles	rnk
	integer	text	bigint	bigint
1	1925	TV Shows	1	1
2	1942	Classic Movies	2	1
3	1942	Documentaries	2	1
4	1943	Documentaries	3	1
5	1943	Classic Movies	1	2
6	1944	Documentaries	3	1
7	1944	Classic Movies	3	1
8	1945	Classic Movies	3	1
9	1945	Documentaries	3	1

Total rows: 263 Query complete 00:00:00.128

COUNTRY-LEVEL CONTENT ANALYSIS

16. How many unique countries are represented?

```
SELECT COUNT( DISTINCT(TRIM( country_name))) AS total_countries
FROM (
    SELECT UNNEST(STRING_TO_ARRAY(country, ',')) AS country_name
    FROM netflix
    WHERE country IS NOT NULL
);
```

Result

	total_countries
	bigint
1	123

17. Find the top 5 countries with the most content on Netflix

```
SELECT country_name, COUNT(DISTINCT show_id) AS total_titles
FROM (
    SELECT show_id, TRIM(UNNEST(STRING_TO_ARRAY(country, ','))) AS country_name
    FROM netflix
    WHERE country IS NOT NULL
) t
GROUP BY country_name
ORDER BY total_titles DESC
LIMIT 5;
```

Result

	country_name	total_titles
	text	bigint
1	United States	3690
2	India	1046
3	United Kingdom	806
4	Canada	445
5	France	393

18. Identify countries that contribute more than 5% of the total Netflix catalog.

```
WITH country_titles AS (
    SELECT DISTINCT show_id, TRIM(UNNEST(STRING_TO_ARRAY(country, ','))) AS country_name
    FROM netflix
    WHERE country IS NOT NULL
),
total_catalog AS (
    SELECT COUNT(DISTINCT show_id) AS total_titles
    FROM netflix
)
SELECT country_name, COUNT(show_id) AS country_titles,
    ROUND(COUNT(show_id) * 100.0 / (SELECT total_titles FROM total_catalog), 2) AS percent_share
FROM country_titles
GROUP BY country_name
HAVING COUNT(show_id) * 1.0 / (SELECT total_titles FROM total_catalog) > 0.05
ORDER BY country_titles DESC;
```

Result

	country_name	country_titles	percent_share
1	United States	3690	41.90
2	India	1046	11.88
3	United Kingdom	806	9.15
4	Canada	445	5.05

19. For each country, calculate the total number of titles, number of movies, and number of TV shows.

```
SELECT country_name,
    COUNT(DISTINCT show_id) AS total_titles,
    COUNT(DISTINCT show_id) FILTER (WHERE type = 'Movie') AS total_movies,
    COUNT(DISTINCT show_id) FILTER (WHERE type = 'TV Show') AS total_tv_shows
FROM (
    SELECT show_id, type,
    TRIM(UNNEST(STRING_TO_ARRAY(country, ','))) AS country_name
    FROM netflix
    WHERE country IS NOT NULL
) t
GROUP BY country_name
ORDER BY total_titles DESC;
```

Result

	country_name	total_titles	total_movies	total_tv_shows
1	United States	3690	2752	938
2	India	1046	962	84
3	United Kingdom	806	534	272
4	Canada	445	319	126
5	France	393	303	90
6	Japan	318	119	199
7	Spain	232	171	61
8	South Korea	231	61	170
9	Germany	226	182	44
Total rows: 123		Query complete 00:00:00.185		

RATINGS ANALYSIS

20. Which rating appears most frequently?

Result

```
SELECT rating, COUNT(*) AS total_ratings
FROM netflix
WHERE rating IS NOT NULL
GROUP BY rating
ORDER BY total_ratings DESC
LIMIT 1;
```

	rating	total_ratings
	character varying	bigint
1	TV-MA	3207

21. Show how often each rating appears by type.

Result

```
SELECT type, rating, COUNT(*) as total_ratings
FROM netflix
WHERE rating IS NOT NULL
GROUP BY type, rating
ORDER BY
CASE
    WHEN type = 'Movie' THEN 1
    WHEN type = 'TV Show' THEN 2
END,
total_ratings DESC;
```

	type	rating	total_ratings
	character varying	character varying	bigint
1	Movie	TV-MA	2062
2	Movie	TV-14	1427
3	Movie	R	797
4	Movie	TV-PG	540
5	Movie	PG-13	490
6	Movie	PG	287
7	Movie	TV-Y7	139
8	Movie	TV-Y	131
9	Movie	TV-G	126
Total rows: 26		Query complete 00:00:00	

DURATION & SEASON ANALYSIS

22. List all TV shows with more than 5 seasons

```
SELECT *
FROM netflix
WHERE type = 'TV Show' AND
SPLIT_PART(duration, ' ', 1):: numeric > 5;
```

Result

	show_id	type	title	director	casts	country	date_added	release_year	rating	duration	listed_in
	character varying	character varying	character varying (150)	character varying	character varying (1000)	character varying	character varying (50)	integer	character varying	character varying	character varying
1	s9	TV Show	The Great British Ba...	Andy Devonshi...	Mel Gledroyc, Sue Perkins, Ma...	United Kingdom...	September 24, 2021	2021	TV-14	9 Seasons	British TV Show
2	s56	TV Show	Nailed It	[null]	Nicole Byer, Jacques Torres	United States	September 15, 2021	2021	TV-PG	6 Seasons	Reality TV
3	s66	TV Show	Numberblocks	[null]	Beth Chalmers, David Holt, M...	United Kingdom...	September 15, 2021	2021	TV-Y	6 Seasons	Kids' TV
4	s68	TV Show	Saved by the Bell	[null]	Mark-Paul Gosselaar, Tiffani T...	United States	September 15, 2021	1994	TV-PG	9 Seasons	Kids' TV, TV Coi...
5	s83	TV Show	Lucifer	[null]	Tom Ellis, Lauren German, Kev...	United States	September 10, 2021	2021	TV-14	6 Seasons	Crime TV Show
6	s275	TV Show	Grace and Frankie	[null]	Jane Fonda, Lily Tomlin, Marti...	United States	August 13, 2021	2021	TV-MA	7 Seasons	TV Comedies
7	s324	TV Show	30 Rock	[null]	Tina Fey, Alec Baldwin, Tracy ...	United States	August 1, 2021	2012	TV-14	7 Seasons	TV Comedies
8	s339	TV Show	Hunter X Hunter (20...	[null]	Megumi Han, Mariya Ise, Keiji ...	Japan	August 1, 2021	2014	TV-14	6 Seasons	Anime Series, Ii...

Total rows: 99 Query complete 00:00:00.205

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23. Identify the longest movie.

```
WITH movie_minutes AS (
    SELECT *, CAST(SPLIT_PART(duration, ' ', 1) AS INT) AS minutes
    FROM netflix
    WHERE type = 'Movie' AND duration IS NOT NULL
)
SELECT *
FROM movie_minutes
WHERE minutes = (SELECT MAX(minutes) FROM movie_minutes);
```

Result

show_id	type	title	director	casts	country	date_added	release_year	rating	duration	listed_in
	character varying	character varying (150)	character varying (1000)	character varying (1000)	character varying	character varying (50)	integer	character varying	character varying	character varying
1	s4254	Movie	Black Mirror: Banders... [null]	Fionn Whitehead, Will Poulter, ...	United States	December 28, 2018	2018	TV-MA	312 min	Dramas, Internati

24. How is Netflix's movie catalog distributed across short, medium, and long-duration films?

Buckets: Long (>180), Medium (60-180), Short (<=60 min)

```
SELECT
CASE
    WHEN minutes > 180 THEN 'Long'
    WHEN minutes BETWEEN 60 AND 180 THEN 'Medium'
    ELSE 'Short'
END AS duration_bucket,
COUNT(*) AS total_movies
FROM (
    SELECT CAST(SPLIT_PART(duration, ' ', 1)AS INT) AS minutes FROM netflix
    WHERE type ILIKE '%Movie%'
    AND duration IS NOT NULL
)t
GROUP BY duration_bucket
ORDER BY total_movies DESC;
```

Result

	duration_bucket	total_movies
	text	bigint
1	Medium	5623
2	Short	458
3	Long	47

CAST & DIRECTOR INSIGHTS

25. Find all the movies/TV shows by director 'Rajiv Chilaka'

```
SELECT *
FROM netflix
WHERE director ILIKE '%Rajiv Chilaka%';
```

Result

show_id	type	title	director	casts	country	date_added	release_year	rating	duration	listed_in
	character varying	character varying (150)	character varying (1000)	character varying (1000)	character varying	character varying (50)	integer	character varying	character varying	character varying
1	s407	Movie	Chhota Bheem - Nee...	Rajiv Chilaka	Vatsal Dubey, Julie Tejwani, R...	[null]	July 22, 2021	2013	TV-Y7	64 min
2	s408	Movie	Chhota Bheem & Ga...	Rajiv Chilaka	Vatsal Dubey, Julie Tejwani, R...	[null]	July 22, 2021	2009	TV-Y7	68 min
3	s409	Movie	Chhota Bheem & Kri...	Rajiv Chilaka	Vatsal Dubey, Julie Tejwani, R...	[null]	July 22, 2021	2011	TV-Y7	67 min
4	s410	Movie	Chhota Bheem & Kri...	Rajiv Chilaka	Vatsal Dubey, Julie Tejwani, R...	[null]	July 22, 2021	2010	TV-Y7	66 min
5	s411	Movie	Chhota Bheem And ...	Rajiv Chilaka	Vatsal Dubey, Julie Tejwani, R...	India	July 22, 2021	2013	TV-Y7	64 min
6	s412	Movie	Chhota Bheem And ...	Rajiv Chilaka	Vatsal Dubey, Julie Tejwani, R...	[null]	July 22, 2021	2013	TV-Y7	64 min
7	s413	Movie	Chhota Bheem and ...	Rajiv Chilaka	Vatsal Dubey, Julie Tejwani, R...	[null]	July 22, 2021	2013	TV-Y7	65 min
8	s414	Movie	Chhota Bheem and ...	Rajiv Chilaka	Vatsal Dubey, Julie Tejwani, R...	[null]	July 22, 2021	2013	TV-Y7	64 min

Total rows: 22 Query complete 00:00:00.226

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26. Titles without director information

```
SELECT *
FROM netflix
WHERE director IS NULL OR director = '';
```

Result

	show_id	type	title	director	casts	country	date_added	release_year	rating	duration	listed_in
	character varying	character varying	character varying (150)	character varying	character varying (1000)	character varying	character varying (50)	integer	character varying	character varying	character varying
1	s2	TV Show	Blood & Water	[null]	Ama Qamata, Khosi Ngema, G...	South Africa	September 24, 2021	2021	TV-MA	2 Seasons	International TV
2	s4	TV Show	Jailbirds New Orleans	[null]	[null]	[null]	September 24, 2021	2021	TV-MA	1 Season	Docuseries, Re...
3	s5	TV Show	Kota Factory	[null]	Mayur More, Jitendra Kumar, ...	India	September 24, 2021	2021	TV-MA	2 Seasons	International TV
4	s11	TV Show	Vendetta: Truth, Lies...	[null]	[null]	[null]	September 24, 2021	2021	TV-MA	1 Season	Crime TV Show
5	s15	TV Show	Crime Stories: India ...	[null]	[null]	[null]	September 22, 2021	2021	TV-MA	1 Season	British TV Show
6	s16	TV Show	Dear White People	[null]	Logan Browning, Brandon P. B...	United States	September 22, 2021	2021	TV-MA	4 Seasons	TV Comedies, T...
7	s369	TV Show	Khawatir	[null]	[null]	[null]	July 30, 2021	2009	TV-14	1 Season	International TV
8	s18	TV Show	Falsa identidad	[null]	Luis Ernesto Franco, Camila S...	Mexico	September 22, 2021	2020	TV-MA	2 Seasons	Crime TV Show

Total rows: 2634 Query complete 00:00:00.297

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27. Percentage of titles missing director data

```
SELECT
  COUNT(*) FILTER (WHERE director IS NULL OR director = '') * 100.0 / COUNT(*)
  AS percent_missing_director
FROM netflix;
```

Result

	percent_missing_director
	numeric
1	29.9080277052344726

28. Show titles where actor 'Salman Khan' has appeared in.

```
SELECT title, casts
FROM netflix
WHERE casts ILIKE '%Salman Khan%';
```

Result

	title	casts
	character varying (150)	character varying (1000)
1	Hello Brother	Salman Khan, Arbaaz Khan, R...
2	Bodyguard	Salman Khan, Kareena Kapoor...
3	Prem Ratan Dhan Pa...	Salman Khan, Sonam Kapoor, ...
4	Andaz Apna Apna	Aamir Khan, Salman Khan, Ra...
5	Kuch Kuch Hota Hai	Shah Rukh Khan, Kajol, Rani ...
6	Paharganj	Lorena Franco, Bijesh Jayaraj...
7	Hum Aapke Hain Ko...	Madhuri Dixit, Salman Khan, ...
8	Together For Eternity	Salman Khan, Karisma Kapoor...
9	Main aurr Mrs. Khan...	Salman Khan, Kareena Kapoor...

Total rows: 20 Query complete 00:00:00.256

29. Top 10 actors in Indian-produced movies

```
SELECT actor, total_movies
FROM (
  SELECT TRIM(actor) AS actor, COUNT(DISTINCT show_id) AS total_movies,
  RANK() OVER (ORDER BY COUNT(DISTINCT show_id) DESC) AS rnk
  FROM netflix
  CROSS JOIN UNNEST(STRING_TO_ARRAY(casts, ',')) AS actor
  WHERE country ILIKE '%India%' AND type = 'Movie' AND casts IS NOT NULL
  GROUP BY actor
) t
WHERE rnk <= 10;
```

Result

	actor	total_movies
	text	bigint
1	Anupam Kher	36
2	Om Puri	26
3	Boman Irani	25
4	Paresh Rawal	25
5	Shah Rukh Khan	25
6	Akshay Kumar	23
7	Naseeruddin Shah	20
8	Amitabh Bachch...	20
9	Kareena Kapoor	20
Total rows: 11		Query complete 00:00

CONTENT CLASSIFICATION

30. Categorize the content based on the presence of the keywords 'kill' and 'violence' in the description field.

Label content containing these keywords as 'Bad' and all other content as 'Good'.

Count how many items fall into each category.

```
WITH new_table AS(
    SELECT *,
    CASE
        WHEN description ILIKE '%kill%' OR description ILIKE '%Violence%' THEN 'Bad Content'
        ELSE 'Good Content'
    END category
    FROM netflix)
SELECT category, COUNT(*) as total_content
FROM new_table
GROUP BY category
ORDER BY total_content DESC;
```

Result

	category	total_content
	text	bigint
1	Good Conte...	8465
2	Bad Content	342