

Netflix Data Analysis – SQL Query Results

Project Overview:

Analyzed Netflix dataset (8,800+ records) using PostgreSQL to answer 10+ business questions about content distribution, type, and trends.

Ques 1 count the number of movies vs tv shows

```
select type, count(*) as total_count  
from netflix  
group by type;
```

	type character varying (10) 🔒	total_count bigint 🔒
1	Movie	6131
2	TV Show	2676

Ques 2 find the most common rating for movies and tv shows

```
select type,  
       rating  
from  
(  
  select type,  
         rating,count(*),  
         rank()  
         over(partition by type order by count(*) desc)  
         as ranking  
  from netflix  
  group by 1,2  
)as t1
```

where

ranking=1;

	type character varying (10) 🔒	rating character varying (10) 🔒
1	Movie	TV-MA
2	TV Show	TV-MA

Ques 3 list all movies released in a specific year (e.g 2020)

select * from netflix

where

type='Movie'

and

release_year=2020;

	show_id character varying (6) 🔒	type character varying (10) 🔒	title character varying (150) 🔒	director character varying (1000) 🔒	casts character varying (1000) 🔒
1	s1	Movie	Dick Johnson Is Dead	Kirsten Johnson	[null]
2	s17	Movie	Europe's Most Dangerous Man: Otto Skorzeny in Spain	Pedro de Echave García, Pablo Azorín Williams	[null]
3	s79	Movie	Tughlaq Durbar	Delhiprasad Deenadayalan	Vijay Sethupathi
4	s85	Movie	Omo Ghetto: the Saga	JJC Skillz, Funke Akindele	Funke Akindele
5	s104	Movie	Shadow Parties	Yemi Amodu	Jide Kosoko, Yemi Amodu
6	s120	Movie	Here and There	JP Habac	Janine Gutierrez
7	s127	Movie	Shikara	Vidhu Vinod Chopra	Aadil Khan, Sonam Kapoor
8	s228	Movie	Really Love	Angel Kristi Williams	Kofi Siriboe, \
9	s230	Movie	The Old Ways	Christopher Alender	Brigitte Kali C
Total rows: 517 Query complete 00:00:00.303					CRLF Ln 75, Col 20

Ques 4 find the top 7 countries with the most content on Netflix

select country,

count(show_id) as total_content

from netflix

group by 1

order by 2 desc

limit 7;

	country character varying (150) 🔒	total_content bigint 🔒
1	United States	2818
2	India	972
3	[null]	831
4	United Kingdom	419
5	Japan	245
6	South Korea	199
7	Canada	181

Ques 5 identify the longest movie

select * from netflix

where

type='Movie'

and

duration=(select max(duration) from netflix)

	show_id character varying (6) 🔒	type character varying (10) 🔒	title character varying (150) 🔒	director character varying (1000) 🔒	casts character varying (1000)
1	s52	Movie	InuYasha the Movie 2: The Castle Beyond the Looking Gla...	Toshiya Shinohara	Kappei Yamaguchi, Satsuki Yukino, Mieko Harada, Koji
2	s53	Movie	InuYasha the Movie 3: Swords of an Honorable Ruler	Toshiya Shinohara	Kappei Yamaguchi, Satsuki Yukino, Koji Tsujitani, Houk
3	s120	Movie	Here and There	JP Habac	Janine Gutierrez, JC Santos, Victor Anastacio, Yesh Bu
4	s338	Movie	Good Luck Chuck	Mark Helfrich	Dane Cook, Jessica Alba, Dan Fogler, Ellia English, Sasl
5	s345	Movie	My Girl 2	Howard Zieff	Anna Chlumsky, Austin O'Brien, Dan Aykroyd, Jamie Le
6	s427	Movie	Cousins	Ainsley Gardiner, Briar Grace-Smith	Rachel House, Briar Grace-Smith, Tanea Heke, Tioreore
7	s722	Movie	Rogue Warfare: Death of a Nation	Mike Gunther	Will Yun Lee, Jermaine Love, Rory Markham, Bertrand->
8	s744	Movie	Copenhagen	Mark Raso	Gethin Anthony, Frederikke Dahl Hansen, Sebastian Arr
9	s782	Movie	Black Holes The Edge of All We Know	Peter Galison	[null]

Total rows: 118 Query complete 00:00:00.366 CRLF Ln 93, Col 46

Ques 6 find content added in the last 4 years

select * from netflix

where

to_date(date_added,'Month DD,YYYY')>=current_date - interval '5 years'

	show_id character varying (6)	type character varying (10)	title character varying (150)	director character varying (1000)
1	s1	Movie	Dick Johnson Is Dead	Kirsten Johnson
2	s2	TV Show	Blood & Water	[null]
3	s3	TV Show	Ganglands	Julien Leclercq
4	s4	TV Show	Jailbirds New Orleans	[null]
5	s5	TV Show	Kota Factory	[null]
6	s6	TV Show	Midnight Mass	Mike Flanagan
7	s7	Movie	My Little Pony: A New Generation	Robert Cullen, José Luis Ucha
8	s8	Movie	Sankofa	Haile Gerima
9	s9	TV Show	The Great British Baking Show	Andy Devonshire

Total rows: 1516 Query complete 00:00:00.338 CRLF Ln 105, Col 10

Ques 7 find all the movies/ tv shows by director 'Rajiv Chilaka'

```

select * from (
select *,
unnest(string_to_array(director',''))
as director_name
from netflix
)
where director_name='Rajiv Chilaka'

```

	show_id character varying (6)	type character varying (10)	title character varying (150)	director character varying (1000)	casts character varying (1000)
1	s407	Movie	Chhota Bheem - Neeli Pahaadi	Rajiv Chilaka	Vatsal Dubey, Julie Tejjwani, Rupa Bhimani
2	s408	Movie	Chhota Bheem & Ganesh	Rajiv Chilaka	Vatsal Dubey, Julie Tejjwani, Rupa Bhimani
3	s409	Movie	Chhota Bheem & Krishna: Mayanagari	Rajiv Chilaka	Vatsal Dubey, Julie Tejjwani, Rupa Bhimani
4	s410	Movie	Chhota Bheem & Krishna: Pataliputra- City of the D...	Rajiv Chilaka	Vatsal Dubey, Julie Tejjwani, Rupa Bhimani
5	s411	Movie	Chhota Bheem And The Broken Amulet	Rajiv Chilaka	Vatsal Dubey, Julie Tejjwani, Rupa Bhimani
6	s412	Movie	Chhota Bheem And The Crown of Valhalla	Rajiv Chilaka	Vatsal Dubey, Julie Tejjwani, Rupa Bhimani
7	s413	Movie	Chhota Bheem and the Incan Adventure	Rajiv Chilaka	Vatsal Dubey, Julie Tejjwani, Rupa Bhimani
8	s414	Movie	Chhota Bheem and The ShiNobi Secret	Rajiv Chilaka	Vatsal Dubey, Julie Tejjwani, Rupa Bhimani
9	s415	Movie	Chhota Bheem Aur Hanuman	Rajiv Chilaka	Vatsal Dubey, Julie Tejjwani, Rupa Bhimani

Total rows: 22 Query complete 00:00:00.162 CRLF Ln 111, Col 1

Ques 8 list all tv shows with more than 3 seasons

```

select * from netflix
where
type='TV Show'
and

```

split_part(duration, ' ', 1)::int > 3

	show_id character varying (6)	type character varying (10)	title character varying (150)	director character varying (1000)	casts character varying (1000)
1	s9	TV Show	The Great British Baking Show	Andy Devonshire	Mel Giedroyc, Sue Perkins, Mary Berry, Paul Hollywood
2	s16	TV Show	Dear White People	[null]	Logan Browning, Brandon P. Bell, DeRon Horton, Antoinette Robertson, John Pa
3	s22	TV Show	Resurrection: Ertugrul	[null]	Engin Altan Düzyatan, Serdar Gökhan, Hülya Darcan, Kaan Taşaner, Esra Bilgiç, İ
4	s56	TV Show	Nailed It	[null]	Nicole Byer, Jacques Torres
5	s66	TV Show	Numberblocks	[null]	Beth Chalmers, David Holt, Marcel McCalla, Teresa Gallagher
6	s68	TV Show	Saved by the Bell	[null]	Mark-Paul Gosselaar, Tiffani Thiessen, Mario Lopez, Lark Voorhies, Elizabeth B
7	s73	TV Show	Jack Whitehall: Travels with My Father	[null]	Jack Whitehall, Michael Whitehall
8	s83	TV Show	Lucifer	[null]	Tom Ellis, Lauren German, Kevin Alejandro, D.B. Woodside, Lesley-Ann Brandt, S
9	s90	TV Show	Mighty Raju	[null]	

✓ Successfully run. Total query runtime: 324 msec. 259 rows affected. ✕

Total rows: 259 Query complete 00:00:00.332 CRLF Ln 119, Col 35

Ques 9 count the number of content items in each genre

select

unnest(string_to_array(listed_in, ','))

as genre,

count(*) as total_content

from netflix

group by 1

	genre text	total_content bigint
1	International TV Shows	774
2	Stand-Up Comedy	9
3	Spanish-Language TV Shows	172
4	Romantic Movies	613
5	Anime Features	21
6	TV Horror	11
7	Stand-Up Comedy & Talk Sho...	34
8	Kids' TV	63
9	Docuseries	221
10	Children & Family Movies	605

Total rows: 73 Query complete 00:00:00.149

Ques 10 find each year and the average numbers of content release

select country, release_year,

count(show_id) as total_release,

round(

count(show_id)::numeric/

```

(select count(show_id) from netflix where
country='India')::numeric*100,2
)
as avg_release
from netflix
where country='India'
group by country,2
order by avg_release desc
limit 4

```

	country character varying (150)	release_year integer	total_release bigint	avg_release numeric
1	India	2017	101	10.39
2	India	2018	94	9.67
3	India	2019	87	8.95
4	India	2020	75	7.72

Ques 11 list all movies that are documentaries

```

select * from netflix
where listed_in like '%Documentaries'

```

	show_id character varying (6)	type character varying (10)	title character varying (150)	director character varying (1000)
1	s1	Movie	Dick Johnson Is Dead	Kirsten Johnson
2	s46	Movie	My Heroes Were Cowboys	Tyler Greco
3	s118	Movie	Final Account	Luke Holland
4	s7603	Movie	NOVA: Chinese Chariot Revealed	Giulia Clark
5	s222	Movie	Bob Ross: Happy Accidents, Betrayal & Greed	Joshua Rofé
6	s305	Movie	Lady Boss: The Jackie Collins Story	Laura Fairrie
7	s7604	Movie	NOVA: Day the Dinosaurs Died	Sarah Holt
8	s379	Movie	Fantastic Fungi	Louie Schwartzberg
9	s405	Movie	9to5: The Story of a Movement	

Total rows: 383 Query complete 00:00:00.338 CRLF Ln 155, Col 1

✓ Successfully run. Total query runtime: 332 msec. 383 rows affected. ✕

Ques 12 find all content without a director

```

select * from netflix

```

where director is null

	show_id character varying (6)	type character varying (10)	title character varying (150)	director character varying (1000)	casts character varying (1000)
1	s2	TV Show	Blood & Water	[null]	Ama Qamata, Khosi Ngema, Gail Mablane, Tl
2	s4	TV Show	Jailbirds New Orleans	[null]	[null]
3	s5	TV Show	Kota Factory	[null]	Mayur More, Jitendra Kumar, Ranjan Raj, Alarr
4	s11	TV Show	Vendetta: Truth, Lies and The Mafia	[null]	[null]
5	s15	TV Show	Crime Stories: India Detectives	[null]	[null]
6	s16	TV Show	Dear White People	[null]	Logan Browning, Brandon P. Bell, DeRon Hortc
7	s369	TV Show	Khawatir	[null]	[null]
8	s18	TV Show	Falsa identidad	[null]	Luis Ernesto Franco, Camila Sodi, Sergio Goyr
9	s20	TV Show	Jaguar	[null]	Blanca Suárez, Iván Marcos, Óscar Casas, Adr
Total rows: 2634 Query complete 00:00:00.348					CRLF Ln 161, Col 1

Ques 13 find how many movies actor 'Salman Khan' appeared in last 10 years

select * from netflix

where

casts like '%Salman Khan%'

and

release_year > extract(year from current_date)-10

	show_id character varying (6)	type character varying (10)	title character varying (150)	director character varying (1000)	casts character varying (1000)
1	s2757	Movie	Paharganj	Rakesh Ranjan Kumar	Lorena Franco, Bijesh Jayarajan, Neet Chowdhary, Rajeev Gaursingh, Karran Jeet, Rajesh Sharma, G

Ques 14 find the top 10 actors who have appeared in the highest number of movies produced in India

select

unnest(string_to_array(casts, ',')) as actor,

count(*)

from netflix

where country='India'

group by 1

order by 2 desc

limit 10

	actor text	count bigint
1	Anupam Kher	36
2	Paresh Rawal	24
3	Shah Rukh Khan	24
4	Om Puri	23
5	Akshay Kumar	22
6	Boman Irani	21
7	Amitabh Bachch...	20
8	Kareena Kapoor	19
9	Naseeruddin Sh...	19
10	Asrani	17
Total rows: 10		Query complete 00:00:00

Ques 15 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.

```

select category,
type,
count(*) as content_count
from(
select *,
case
when description ilike '%kill%' or
description ilike '%violence%' then 'Bad'
else 'Good'
end as category
from netflix
) as categorized_content
group by 1,2

```


order by 2

	category text	type character varying (10)	content_count bigint
1	Bad	Movie	251
2	Good	Movie	5880
3	Bad	TV Show	91
4	Good	TV Show	2585