

Netflix Business Analysis Questions

```
1  -- Netflix Project
2
3  -- Q1. Find the most common rating for movies and tv shows
4  • SELECT type, rating
5     FROM
6     (SELECT
7         type, rating, COUNT(*),
8         rank() over(partition by type order by count(*) desc) as ranking
9     FROM
10        netflix
11     GROUP BY 1,2) as t1
12    WHERE ranking = 1;
13
14
```

Result Grid		Filter Rows:	Export:	Wrap Cell Content:
type	rating			
Movie	TV-MA			
TV Show	TV-MA			

```
1  -- Netflix Project
2
3  -- Q2. List all movies release in a specific year(e.g 2020)
4
5  • SELECT * FROM
6     netflix
7    WHERE
8        type = 'Movie' AND release_year = 2020;
```

Result Grid	Filter Rows:	Export:	Wrap Cell Content:			
	title	director	casts	country	date_added	release
	Dick Johnson Is Dead	Kirsten Johnson		United States	September 25, 2021	2020
	Europe's Most Dangerous Man: Otto Skorzeny i...	Pedro de Echave García, Pablo Azorín Williams			September 22, 2021	2020
	Tughlaq Durbar	Delhiprasad Deenadayalan	Vijay Sethupathi, Parthiban, Raashi Khanna		September 11, 2021	2020
	Omo Ghetto: the Saga	JJC Skiliz, Funke Akindele	Funke Akindele, Ayo Makun, Chioma Chukwuka ...	Nigeria	September 10, 2021	2020
	Shadow Parties	Yemi Amodu	Jide Kosoko, Omotola Jalade-Ekeinde, Yemi Blaq...		September 6, 2021	2020
	Here and There	JP Habac	Janine Gutierrez, JC Santos, Victor Anastacio, Y...		September 2, 2021	2020
	Shikara	Vidhu Vinod Chopra	Aadil Khan, Sadia Khateeb, Zain Khan Durrani, ...	India	September 2, 2021	2020
	Really Love	Angel Kristi Williams	Kofi Siriboe, Yootha Wong-Loi-Sing, Michael Eal...	United States	August 25, 2021	2020
	The Old Ways	Christopher Alender	Brigitte Kali Canales, Andrea Cortes, Julia Vera, ...	United States	August 25, 2021	2020
	A Faraway Land	Veronica Velasco	Paolo Contis, Yen Santos, Hans Tórgarð, Ruby ...		August 19, 2021	2020
	Nneka The Pretty Serpent	Tosin Igho	Idia Aisien, Ndidi Obi, Kenneth Okolie, Zack Orji, ...		August 18, 2021	2020
	Out of my league	Alice Filippi	Ludovica Francesconi, Giuseppe Maggio, Gaja M...		August 18, 2021	2020
	Unroyal	Moses Inwang	Matilda Lambert, Ik Ogbonna, Prince Sontoye, ...		August 15, 2021	2020
	La diosa del asfalto	Julián Hernández	Ximena Romo, Mabel Cadena, Alejandra Herrerr...	Mexico	August 11, 2021	2020
	Takizawa Kabuki ZERO 2020 The Movie	Hideaki Takizawa	Hikaru Iwamoto, Tatsuya Fukazawa, Raul, Shot...		August 7, 2021	2020
	Quam's Money	Kayode Kasum	Falz, Nse Ikpe-Etim, Williams Uchemba, Toni To...	Nigeria	August 6, 2021	2020
	I'm Glad I Did	Selçuk Metin	Metin Akpınar, Demet Akbağ, Umur Bugay, Ahm...		July 30, 2021	2020
	Sanitation Day	Seyi Babatope	Blossom Chukwujekwu, Elozonam Ogbolu, Nse I...	Nigeria	July 21, 2021	2020
	Milkwater	Morgan Ingari	Molly Bernard, Patrick Breen, Robin de Jesús, A...	United States	July 20, 2021	2020
	2 Weeks in Lagos	Kathryn Fasegha	Beverly Naya, Mawuli Gavor, Ajoke Silva, Jide K...		July 16, 2021	2020

```

1  -- Q3. Identify the longest movie?
2
3  • SELECT
4      title, duration
5  FROM
6      netflix
7  WHERE
8      type = 'Movie'
9  ORDER BY CAST(SUBSTRING_INDEX(duration, ' ', 1) AS UNSIGNED) DESC LIMIT 1;
10

```

Result Grid		
	Filter Rows:	Export: Wrap Cell Content: IA
title	duration	
Black Mirror: Bandersnatch	312 min	

```

1  -- Netflix Project
2
3  -- Q4. Find top 5 countries with the most content on Netflix.
4
5
6  • SELECT
7      SUBSTRING_INDEX(country, ' ', 1) AS new_country,
8      COUNT(show_id) AS total_content
9  FROM
10     netflix
11  GROUP BY new_country
12  ORDER BY total_content DESC
13  LIMIT 5;

```

Result Grid		
	Filter Rows:	Export: Wrap Cell Content: IA
new_country	total_content	
United States	3211	
India	1008	
	833	
United Kingdom	628	
Canada	271	

```

1 -- Q5. Find the content added in the last 5 years.
2
3 • SET sql_safe_updates = 0;
4 • SELECT * FROM netflix
5 WHERE STR_TO_DATE(date_added, '%M %d, %Y') >= DATE_SUB(CURDATE(), INTERVAL 5 YEAR);
6

```

Result Grid							Filter Rows:	Export:	Wrap Cell Content:	Fetch rows:	
	type	title	director	casts	country	date_added					
▶	Movie	Dick Johnson Is Dead	Kirsten Johnson		United States	September 25, 2					
	TV Show	Blood & Water		Ama Qamata, Khosi Ngema, Gail Mablane, Tha...	South Africa	September 24, 2					
	TV Show	Ganglands	Julien Lederq	Sami Bouajila, Tracy Gotoas, Samuel Jouy, Nabl...		September 24, 2					
	TV Show	Jailbirds New Orleans				September 24, 2					
	TV Show	Kota Factory		Mayur More, Jitendra Kumar, Ranjan Raj, Alam ...	India	September 24, 2					
	TV Show	Midnight Mass	Mike Flanagan	Kate Siegel, Zach Gifford, Hamish Linklater, Hen...		September 24, 2					
	Movie	My Little Pony: A New Generation	Robert Cullen, José Luis Ucha	Vanessa Hudgens, Kimiko Glenn, James Marsde...		September 24, 2					
	Movie	Sankofa	Haile Gerima	Kofi Ghanaba, Oyafunmike Ogunlano, Alexandr...	United States, Ghana, Burkina Faso, United Kin...	September 24, 2					
	TV Show	The Great British Baking Show	Andy Devonshire	Mel Giedroyc, Sue Perkins, Mary Berry, Paul Holl...	United Kingdom	September 24, 2					
	Movie	The Starling	Theodore Melfi	Melissa McCarthy, Chris O'Dowd, Kevin Kline, Ti...	United States	September 24, 2					
	TV Show	Vendetta: Truth, Lies and The M...				September 24, 2					
	TV Show	Bangkok Breaking	Kongkiat Komesiri	Sukollawat Kanarot, Sushar Manaying, Pavarit ...		September 23, 2					
	Movie	Je Suis Karl	Christian Schwachow	Luna Wedler, Jannis Niewöhner, Milan Peschel, ...	Germany, Czech Republic	September 23, 2					
	Movie	Confessions of an Invisible Girl	Bruno Garotti	Klara Castanho, Lucca Picon, Júlia Gomes, Marc...		September 22, 2					
	TV Show	Crime Stories: India Detectives				September 22, 2					
	TV Show	Dear White People		Logan Browning, Brandon P. Bell, DeRon Horton...	United States	September 22, 2					
	Movie	Europe's Most Dangerous Man: ...	Pedro de Echave García, Pab...			September 22, 2					
	TV Show	Falsa identidad		Luis Ernesto Franco, Camila Sodi, Sergio Goyri, ...	Mexico	September 22, 2					
	Movie	Intrusion	Adam Salky	Freida Pinto, Logan Marshall-Green, Robert Joh...		September 22, 2					
	TV Show	Jaguar		Blanca Suárez, Iván Marcos, Óscar Casas, Adri...		September 22, 2					
	TV Show	Monsters Inside: The 24 Faces o...	Olivier Megaton			September 22, 2					

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1 -- Q6. Find all the movies/TV shows by director 'Rajiv Chilaka'.
2
3 • SELECT * FROM netflix
4 WHERE director LIKE '%Rajiv Chilaka%';
5

```

Result Grid											Filter Rows:	Export:	Wrap Cell Content:	
	show_id	type	title	director	casts	country	date_added	release_year	rating	duration				
	s409	Movie	Chhota Bheem & Krishna: Mayanagari	Rajiv Chilaka	Vatsal Dubey, Julie Tejjwani, Rupa Bhimani, Jign...		July 22, 2021	2011	TV-Y7	67 min				
	s410	Movie	Chhota Bheem & Krishna: Pataliputra- City of th...	Rajiv Chilaka	Vatsal Dubey, Julie Tejjwani, Rupa Bhimani, Jign...		July 22, 2021	2010	TV-Y7	66 min				
	s411	Movie	Chhota Bheem And The Broken Amulet	Rajiv Chilaka	Vatsal Dubey, Julie Tejjwani, Rupa Bhimani, Jign...	India	July 22, 2021	2013	TV-Y7	64 min				
	s412	Movie	Chhota Bheem And The Crown of Valhalla	Rajiv Chilaka	Vatsal Dubey, Julie Tejjwani, Rupa Bhimani, Jign...		July 22, 2021	2013	TV-Y7	64 min				
	s413	Movie	Chhota Bheem and the Incan Adventure	Rajiv Chilaka	Vatsal Dubey, Julie Tejjwani, Rupa Bhimani, Jign...		July 22, 2021	2013	TV-Y7	65 min				
	s414	Movie	Chhota Bheem and The Shikobi Secret	Rajiv Chilaka	Vatsal Dubey, Julie Tejjwani, Rupa Bhimani, Jign...		July 22, 2021	2013	TV-Y7	64 min				
	s415	Movie	Chhota Bheem Aur Hanuman	Rajiv Chilaka	Vatsal Dubey, Julie Tejjwani, Rupa Bhimani, Jign...		July 22, 2021	2012	TV-Y7	68 min				
	s416	Movie	Chhota Bheem aur Krishna	Rajiv Chilaka	Vatsal Dubey, Julie Tejjwani, Rupa Bhimani, Jign...	India	July 22, 2021	2009	TV-Y7	68 min				
	s417	Movie	Chhota Bheem aur Krishna vs Zimbara	Rajiv Chilaka	Vatsal Dubey, Julie Tejjwani, Rupa Bhimani, Jign...		July 22, 2021	2013	TV-Y7	64 min				
	s420	Movie	Chhota Bheem: Bheem vs Aliens	Rajiv Chilaka	Vatsal Dubey, Julie Tejjwani, Rupa Bhimani, Jign...		July 22, 2021	2010	TV-Y7	69 min				
	s421	Movie	Chhota Bheem: Dholakpur to Kathmandu	Rajiv Chilaka	Vatsal Dubey, Julie Tejjwani, Rupa Bhimani, Jign...		July 22, 2021	2012	TV-Y7	70 min				
	s422	Movie	Chhota Bheem: Dus Pe Dus	Rajiv Chilaka	Vatsal Dubey, Julie Tejjwani, Rupa Bhimani, Jign...		July 22, 2021	2014	TV-Y7	63 min				
	s423	Movie	Chhota Bheem: Journey to Petra	Rajiv Chilaka	Vatsal Dubey, Julie Tejjwani, Rupa Bhimani, Jign...		July 22, 2021	2011	TV-Y7	68 min				
	s424	Movie	Chhota Bheem: Master of Shaolin	Rajiv Chilaka	Pooja Punabi, Mausam, Julie Tejjwani, Rupa Bhi...		July 22, 2021	2011	TV-Y7	74 min				
	s425	Movie	Chhota Bheem: The Rise of Kirmada	Rajiv Chilaka	Vatsal Dubey, Julie Tejjwani, Rupa Bhimani, Jign...		July 22, 2021	2012	TV-Y7	68 min				
	s2718	Movie	Chhota Bheem and the Curse of Damyaaan	Rajiv Chilaka	Kaustav Ghosh, Jigna Bhardwaj, Chutki, Rajesh...	India	April 1, 2020	2012	TV-Y7	87 min				
	s2738	Movie	Mighty Raju Rio Calling	Rajiv Chilaka		India	April 1, 2020	2014	TV-Y7	97 min				
	s6298	Movie	Bheemayan	Rajiv Chilaka			May 10, 2019	2018	TV-Y	63 min				
	s6465	Movie	Chhota Bheem Kungfu Dhamaka	Rajiv Chilaka	Sonal Kaushal, Rupa Bhimani, Jigna Bharadhwaj...	India	August 15, 2...	2019	TV-Y7	112 min				
	s6646	Movie	Dragonkala Ka Rahasya	Rajiv Chilaka			June 18, 2019	2018	TV-Y	68 min				

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1  -- Q7.List all the TV shows with more than 5 seasons.
2
3  • SELECT * FROM netflix
4    WHERE type = 'TV Show'
5    AND CAST(SUBSTRING_INDEX(duration, ' ', 1) AS UNSIGNED) > 5;
6

```

Result Grid									
Filter Rows:									
Export: Wrap Cell Content:									
	type	title	director	casts	country	date_added	release_year	rating	duration
▶	TV Show	The Great British Baking Show	Andy Devonshire	Mel Giedroyc, Sue Perkins, Mary Berry, Paul Holl...	United Kingdom	September 24, 2021	2021	TV-14	9 Seasons
	TV Show	Nailed It		Nicole Byer, Jacques Torres	United States	September 15, 2021	2021	TV-PG	6 Seasons
	TV Show	Numberblocks		Beth Chalmers, David Holt, Marcel McCalla, Ter...	United Kingdom	September 15, 2021	2021	TV-Y	6 Seasons
	TV Show	Saved by the Bell		Mark-Paul Gosselaar, Tiffani Thiessen, Mario Lo...	United States	September 15, 2021	1994	TV-PG	9 Seasons
	TV Show	Lucifer		Tom Ellis, Lauren German, Kevin Alejandro, D.B...	United States	September 10, 2021	2021	TV-14	6 Seasons
	TV Show	Grace and Frankie		Jane Fonda, Lily Tomlin, Martin Sheen, Sam Wa...	United States	August 13, 2021	2021	TV-MA	7 Seasons
	TV Show	30 Rock		Tina Fey, Alec Baldwin, Tracy Morgan, Jane Kra...	United States	August 1, 2021	2012	TV-14	7 Seasons
	TV Show	Hunter X Hunter (2011)		Megumi Han, Mariya Ise, Keiji Fujiwara, Miyuki S...	Japan	August 1, 2021	2014	TV-14	6 Seasons
	TV Show	The Flash	Glen Winter	Grant Gustin, Candice Patton, Danielle Panabak...	United States	July 28, 2021	2021	TV-14	7 Seasons
	TV Show	The Walking Dead		Andrew Lincoln, Steven Yeun, Norman Reedus, ...	United States	July 26, 2021	2019	TV-MA	10 Seasons
	TV Show	My Little Pony: Friendship Is ...		Ashleigh Ball, Tabitha St. Germain, Tara Strong,...	United States,...	July 6, 2021	2018	TV-Y	8 Seasons
	TV Show	Orange Is the New Black		Taylor Schilling, Kate Mulgrew, Laura Prepon, J...	United States	July 6, 2021	2019	TV-MA	7 Seasons
	TV Show	Terrace House: Opening Ne...		You, Reina Triendl, Yoshimi Tokui, Azusa Babaz...	Japan	July 6, 2021	2018	TV-14	6 Seasons
	TV Show	Grey's Anatomy		Ellen Pompeo, Sandra Oh, Katherine Heigl, Just...	United States	July 3, 2021	2020	TV-14	17 Seasons
	TV Show	Glee		Lea Michele, Chris Colfer, Jane Lynch, Matthew...	United States	June 19, 2021	2015	TV-14	6 Seasons
	TV Show	Schitt's Creek		Eugene Levy, Catherine O'Hara, Daniel Levy, A...	Canada, Unite...	June 19, 2021	2020	TV-MA	6 Seasons
	TV Show	Downton Abbey		Hugh Bonneville, Jessica Brown Findlay, Samant...	United Kingdom	June 2, 2021	2015	TV-14	6 Seasons
	TV Show	Gilmore Girls		Lauren Graham, Alexis Bledel, Scott Patterson, ...	United States	April 15, 2021	2006	TV-14	7 Seasons
	TV Show	House of Cards		Kevin Spacey, Robin Wright, Kate Mara, Corey ...	United States	April 14, 2021	2018	TV-MA	6 Seasons
	TV Show	Men on a Mission	Jung-ah Im	Ho-dong Kang, Soo-geun Lee, Sang-min Lee, Y...	South Korea	March 23, 2021	2021	TV-14	6 Seasons
	TV Show	Heartland		Amber Marshall, Michelle Morgan, Graham Ward...	Canada	February 1, 2021	2019	TV-14	13 Seasons
	TV Show	Total Drama		Clé Bennett, Christian Potenza, Scott McCord, ...	Canada, Unite...	February 1, 2021	2015	TV-PG	7 Seasons

```

1  -- Q8. Count the number of content items in each genre.
2
3  • SELECT SUBSTRING_INDEX(listed_in, ' ', 1) AS genre,
4    count(show_id) AS total_content
5  FROM netflix
6  GROUP BY 1
7  ORDER BY 2 DESC;

```

Result Grid	
Filter Rows:	
Export: Wrap Cell Content:	
genre	total_content
Dramas	1600
Comedies	1210
Action & Adventure	859
Documentaries	829
International TV Shows	774
Children & Family Movies	605
Crime TV Shows	399
Kids' TV	388
Stand-Up Comedy	334
Horror Movies	275
British TV Shows	253
Docuseries	221
Anime Series	176
International Movies	128
TV Comedies	120
Reality TV	120
Classic Movies	80
TV Dramas	67
Thrillers	65
Movies	57

```

1  -- Q9. Find average number of content added in India on yearly basis.
2  --    Also return top 5 year with highest avg content added
3
4  • SELECT year,total_content,
5      ROUND((total_content / (SELECT COUNT(*) FROM netflix WHERE country = 'India') * 100),2) AS yearly_avg
6  FROM
7      (SELECT
8          YEAR(STR_TO_DATE(date_added, '%M %d, %Y')) AS year,
9          COUNT(*) AS total_content
10     FROM
11         netflix
12     WHERE
13         country = 'India'
14     GROUP BY year) AS yearly_counts
15 ORDER BY yearly_avg DESC
16 LIMIT 5;

```

Result Grid | Filter Rows: | Export: | Wrap Cell Content: [↗](#)

	year	total_content	yearly_avg
▶	2018	333	34.26
	2019	203	20.88
	2020	189	19.44
	2017	142	14.61
	2021	95	9.77

```

1  -- Q10. List all movies that are documentaries
2
3  • SELECT * FROM netflix
4  WHERE listed_in like '%documentaries%';

```

Result Grid | Filter Rows: | Export: | Wrap Cell Content: [↗](#)

	id	type	title	director	casts	country
▶		Movie	Dick Johnson Is Dead	Kirsten Johnson		United States
		Movie	Europe's Most Dangerous Man: Otto Skorzeny I...	Pedro de Echave García, Pablo Azorin Williams		
		Movie	My Heroes Were Cowboys	Tyler Greco		
		Movie	Schumacher	Hanns-Bruno Kammertöns, Vanessa Nöcker, Mic...	Michael Schumacher	
		Movie	Blood Brothers: Malcolm X & Muhammad Ali	Marcus Clarke	Malcolm X, Muhammad Ali	
		Movie	The Women and the Murderer	Mona Achache, Patricia Tourancheau		France
		Movie	If I Leave Here Tomorrow: A Film About Lynyrd ...	Stephen Kijak	Ronnie Van Zandt, Gary Rossington, Allen Collin...	United States
		Movie	Untold: Breaking Point	Chapman Way, Madain Way		United States
		Movie	Final Account	Luke Holland		United Kingdom, United States
		Movie	Rhyme & Reason	Peter Spier	Too \$hort, B-Real, Kurtis Blow, Da Brat, Grand...	United States
		Movie	Snervous Tyler Oakley	Amy Rice	Tyler Oakley	United States
		Movie	Untold: Crime & Penalties	Chapman Way, Madain Way		
		Movie	Bob Ross: Happy Accidents, Betrayal & Greed	Joshua Rofé	Bob Ross	
		Movie	The River Runner	Rush Sturges		
		Movie	Count Me In	Mark Lo		United Kingdom
		Movie	Untold: Caitlyn Jenner	Crystal Moselle		
		Movie	Memories of a Murderer: The Nilsen Tapes	Michael Harte		
		Movie	Untold: Deal With the Devil	Laura Brownson		
		Movie	Misha and the Wolves	Sam Hobkinson		Belgium, United Kingdom
		Movie	Untold: Malice at the Palace	Floyd Russ		United States
		Movie	City of God: 10 Years Later	Cavi Borges, Luciano Vidigal		Brazil
		Movie	Lady Boss: The Jackie Collins Story	Laura Fairrie	Jackie Collins	United Kingdom
		Movie	Pray Away	Kristine Stolkis		United States

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Output:

```
1  -- Q11. Find how many movies actor 'Salman Khan' appeared in last 10 years
2
3  • SELECT * FROM netflix
4    WHERE casts LIKE '%Salman Khan%'
5    AND release_year >= YEAR(CURDATE()) - 10;
```

title	director	casts	country	date_added	release_year	rating	duration	listed_in
Prem Ratan Dhan Payo Paharganj	Sooraj R. Barjatya	Salman Khan, Sonam Kapoor, Anupam Kher, Nel...	India	June 25, 2020	2015	TV-14	164 min	Action & Adventure, Dramas, Int...
	Rakesh Ranjan Kumar	Lorena Franco, Bijesh Jayarajan, Neet Chowdh...	India	March 31, 2020	2019	TV-MA	107 min	Dramas, Independent Movies, In...

```

1  -- Q12. Find the top 10 actors who have appeared in the highest number of movies produced in India.
2  •  select
3      trim(substring_index(substring_index(casts, ',', numbers.n), ',', -1)) as actor,
4      count(*) as count
5  from netflix
6  join
7      (select 1 as n union all select 2 union all select 3 union all select 4 union all select 5 union all select 6
8         union all select 7 union all select 8 union all select 9 union all select 10 union all select 11
9         union all select 12 union all select 13 union all select 14 union all select 15 union all select 16 union all
10        select 17 union all select 18 union all select 19 union all select 20 union all select 21
11        union all select 22 union all select 23 union all select 24) as numbers
12  on char_length(casts) - char_length(replace(casts, ',', '')) >= numbers.n - 1
13  where
14      type = 'Movie'
15      and country = 'India'
16  group by actor
17  having actor != ''
18  order by count desc limit 10;


```

Result Grid		Filter Rows:	Export:	Wrap Cell Content:
actor	count			
Anupam Kher	40			
Shah Rukh Khan	32			
Naseeruddin Shah	29			
Akshay Kumar	28			
Amitabh Bachchan	28			

```

1  -- Q13. Categorize the content based on the presence of the keywords 'kill' and 'violence' in the description field.
2  -- Label content containing these keywords as 'Bad' and all other content as 'Good'.
3  -- Count how many items fall into each category.
4
5  • WITH new_table AS
6  (SELECT *, CASE
7      WHEN
8          description LIKE '%kill%'
9          OR description LIKE '%violence%'
10         THEN 'Bad_Content'
11         ELSE 'Good_Content'
12     END category
13  FROM
14      netflix)
15  SELECT category, COUNT(*) AS total_content
16  FROM new_table
17  GROUP BY 1;

```

Result Grid  Filter Rows: Export:  Wrap Cell Content: 

	category	total_content
▶	Good_Content	8465
	Bad_Content	342