

Netflix Content Analysis

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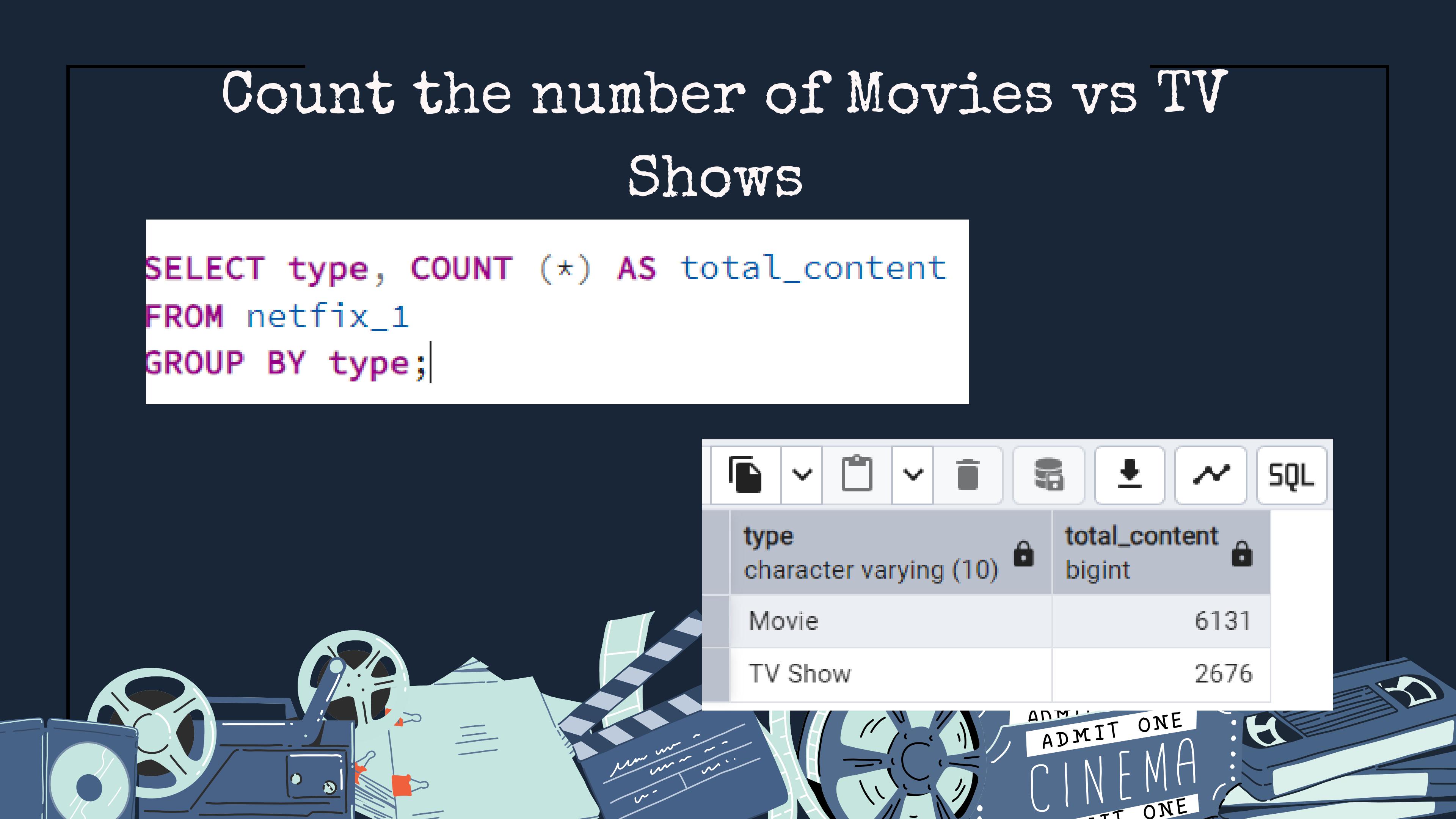
Introduction

In this project, we analyze Netflix's content library to uncover trends, patterns, and insights into the platform's offerings. By examining factors such as genres, release dates, and viewer preferences, we aim to provide a comprehensive understanding of how Netflix's content evolves over time. This analysis helps in understanding the distribution of content, popular genres, and the impact of regional factors on the platform's library.



Count the number of Movies vs TV Shows

```
SELECT type, COUNT (*) AS total_content  
FROM netflix_1  
GROUP BY type;
```



		 	 	 	 
type	character varying (10)				total_content bigint 
Movie					6131
TV Show					2676

Find the most common rating for movies and TV shows

```
SELECT type, rating,  
COUNT (*)  
FROM netflix_1  
GROUP BY type, rating;
```

	type character varying (10) 	rating character varying (10) 	count bigint 
1	Movie	84 min	1
2	TV Show	TV-Y	176
3	Movie	TV-G	126
4	Movie	PG-13	490
5	Movie	UR	3
6	TV Show	[null]	2
7	Movie	66 min	1
8	TV Show	TV-14	733
9	TV Show	TV-G	94
10	Movie	PG	287
11	Movie	NC-17	3
12	Movie	TV-14	1427
13	Movie	R	797
14	Movie	74 min	1
15	Movie	TV-PG	540
16	Movie	[null]	2
17	Movie	TV-MA	2062
18	Movie	TV-Y7	139
19	Movie	TV-Y	131
20	TV Show	TV-PG	323



Find the top 5 countries with the most content on Netflix

```
SELECT type, COUNT (*) AS total_content  
FROM netflix_1  
GROUP BY type;
```



	country character varying (150)	content_count bigint
1	United States	2818
2	India	972
3	[null]	831
4	United Kingdom	419
5	Japan	245

Identify the longest movie

```
SELECT title, duration  
FROM netflix_1  
ORDER BY duration DESC
```

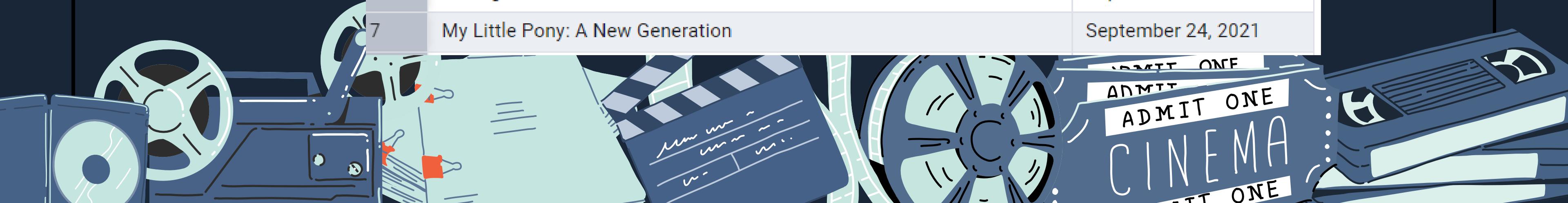
	title character varying (150)	duration character varying (15)
1	Louis C.K.: Hilarious	[null]
2	Louis C.K. 2017	[null]
3	Louis C.K.: Live at the Comedy Store	[null]
4	Good Luck	99 min
5	VS.	99 min
6	Froning: The Fittest Man in History	99 min
7	Like Arrows	99 min
8	Say When	99 min
9	Berlin Kaplani	99 min
10	Black Holes The Edge of All We Know	99 min
11	Errementari: The Blacksmith and the Devil	99 min
12	Being AP	99 min
13	Is Love Enough? Sir	99 min
14	Fireflies	99 min
15	Because We're Heading Out	99 min
16	The Bling Lagosians	99 min
17	Barely Lethal	99 min
18	B.A. Pass	99 min
19	Layla M.	99 min



Find content added in the last 5 years

```
SELECT title, date_added  
FROM netflix_1  
WHERE TO_DATE(date_added, 'Month DD,YYYY') >= CURRENT_DATE - INTERVAL '5 years';
```

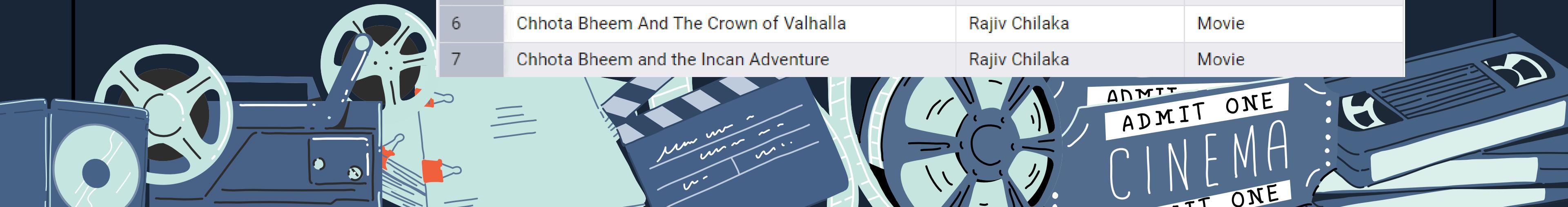
	title character varying (150)	date_added character varying (50)
1	Dick Johnson Is Dead	September 25, 2021
2	Blood & Water	September 24, 2021
3	Ganglands	September 24, 2021
4	Jailbirds New Orleans	September 24, 2021
5	Kota Factory	September 24, 2021
6	Midnight Mass	September 24, 2021
7	My Little Pony: A New Generation	September 24, 2021



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

```
SELECT title,director,type  
FROM netflix_1  
where director= 'Rajiv Chilaka'
```

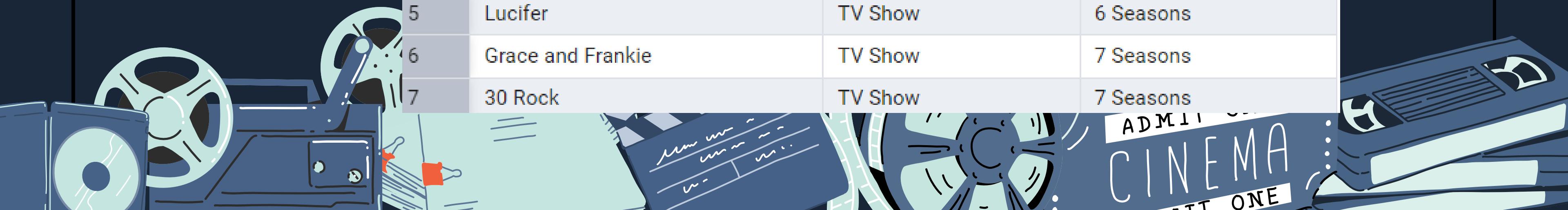
	title character varying (150)	director character varying (208)	type character varying (10)
1	Chhota Bheem - Neeli Pahaadi	Rajiv Chilaka	Movie
2	Chhota Bheem & Ganesh	Rajiv Chilaka	Movie
3	Chhota Bheem & Krishna: Mayanagari	Rajiv Chilaka	Movie
4	Chhota Bheem & Krishna: Pataliputra- City of the Dead	Rajiv Chilaka	Movie
5	Chhota Bheem And The Broken Amulet	Rajiv Chilaka	Movie
6	Chhota Bheem And The Crown of Valhalla	Rajiv Chilaka	Movie
7	Chhota Bheem and the Incan Adventure	Rajiv Chilaka	Movie



List all TV shows with more than 5 seasons

```
SELECT title, type, duration  
FROM netflix_1  
WHERE type = 'TV Show'  
AND CAST(SUBSTRING(duration FROM '^\\d+') AS INTEGER) > 5;
```

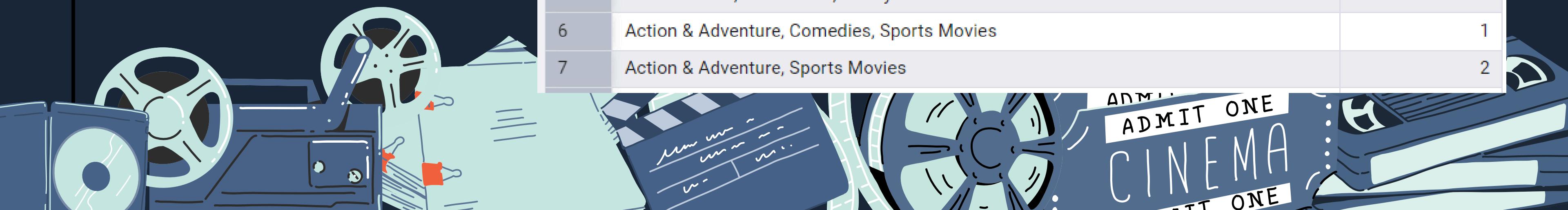
	title character varying (150)	type character varying (10)	duration character varying (15)
1	The Great British Baking Show	TV Show	9 Seasons
2	Nailed It	TV Show	6 Seasons
3	Numberblocks	TV Show	6 Seasons
4	Saved by the Bell	TV Show	9 Seasons
5	Lucifer	TV Show	6 Seasons
6	Grace and Frankie	TV Show	7 Seasons
7	30 Rock	TV Show	7 Seasons



Count the number of content items in each genre

```
SELECT listed_in, COUNT (*) AS content_count  
FROM netflix_1  
GROUP BY listed_in
```

	listed_in character varying (100)	content_count bigint
1	International Movies, Thrillers	67
2	Dramas, Horror Movies, Sci-Fi & Fantasy	1
3	Children & Family Movies	215
4	Action & Adventure, Romantic Movies	3
5	TV Comedies, TV Dramas, TV Mysteries	1
6	Action & Adventure, Comedies, Sports Movies	1
7	Action & Adventure, Sports Movies	2



Find each year and the average numbers of content release
in India on netflix.

return top 5 year with highest avg content release!

```
SELECT * FROM netflix_1
SELECT
    release_year AS year,
    COUNT(*) AS total_releases,
    COUNT(*) / COUNT(DISTINCT release_year) AS avg_releases
FROM netflix_1
WHERE country = 'India'
GROUP BY release_year
ORDER BY avg_releases DESC
LIMIT 5;
```

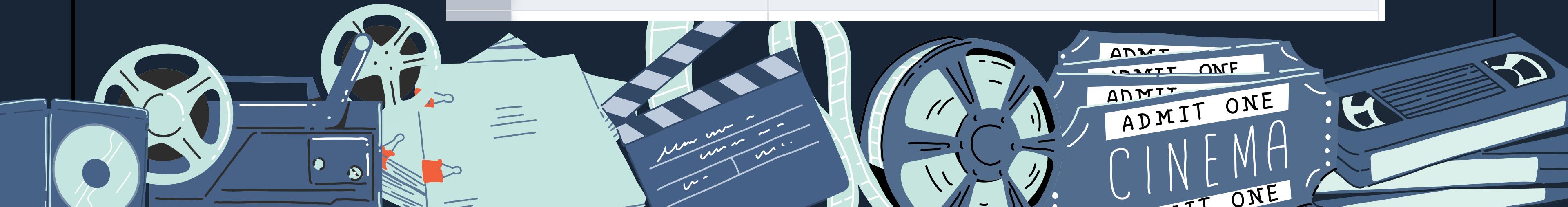
	year integer	total_releases bigint	avg_releases bigint
1	2017	101	101
2	2018	94	94
3	2019	87	87
4	2020	75	75
5	2016	73	73



List all movies that are documentaries

```
SELECT type , listed_in  
FROM netflix_1  
WHERE type = 'Movie' AND listed_in LIKE '%Documentaries%';
```

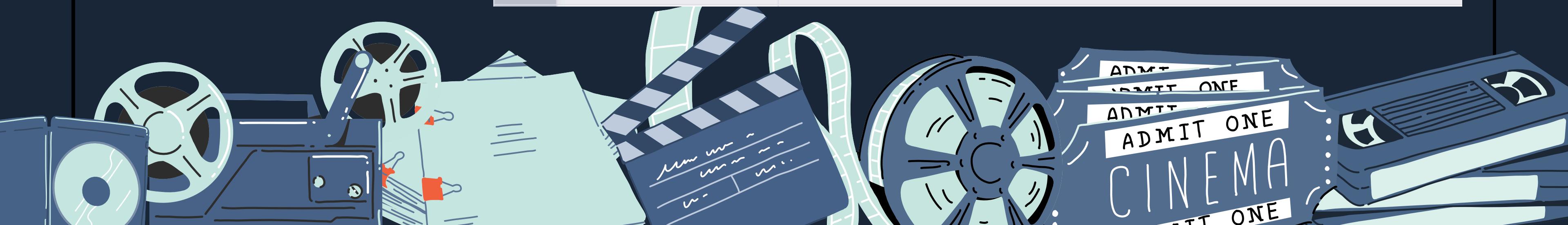
	type character varying (10)	listed_in character varying (100)
1	Movie	Documentaries
2	Movie	Documentaries, International Movies
3	Movie	Documentaries
4	Movie	Documentaries, International Movies, Sports Movies
5	Movie	Documentaries, Sports Movies
6	Movie	Documentaries, International Movies
7	Movie	Documentaries, Music & Musicals



Find all content without a director

```
SELECT director , listed_in  
FROM netflix_1  
WHERE director IS NULL OR director = '';
```

	director character varying (208) 	listed_in character varying (100) 
1	[null]	International TV Shows, TV Dramas, TV Mysteries
2	[null]	Docuseries, Reality TV
3	[null]	International TV Shows, Romantic TV Shows, TV Comedies
4	[null]	Crime TV Shows, Docuseries, International TV Shows
5	[null]	British TV Shows, Crime TV Shows, Docuseries
6	[null]	TV Comedies, TV Dramas
7	[null]	International TV Shows, Reality TV



Find how many movies actor 'Salman Khan' appeared in last 10 years!

```
SELECT *
FROM netflix_1
WHERE type = 'Movie'
    AND casts LIKE '%Salman Khan%'
    AND release_year >= EXTRACT(YEAR FROM CURRENT_DATE) - 10;
```



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(*) AS movie_count
FROM netflix_1
WHERE type = 'Movie'
    AND country = 'India'
GROUP BY actor
ORDER BY movie_count DESC
LIMIT 10;
```

	actor text	movie_count bigint
1	Anupam Kher	40
2	Shah Rukh Khan	32
3	Naseeruddin Shah	29
4	Amitabh Bachchan	28
5	Akshay Kumar	28
6	Paresh Rawal	27
7	Om Puri	26



-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
CASE
    WHEN description ILIKE '%kill%' OR description ILIKE '%violence%' THEN 'Bad'
    ELSE 'Good'
END AS category,
COUNT(*) AS content_count
FROM netflix_1
GROUP BY category;
```

	category	content_count
	text	bigint
1	Good	8465
2	Bad	342





Thank You
