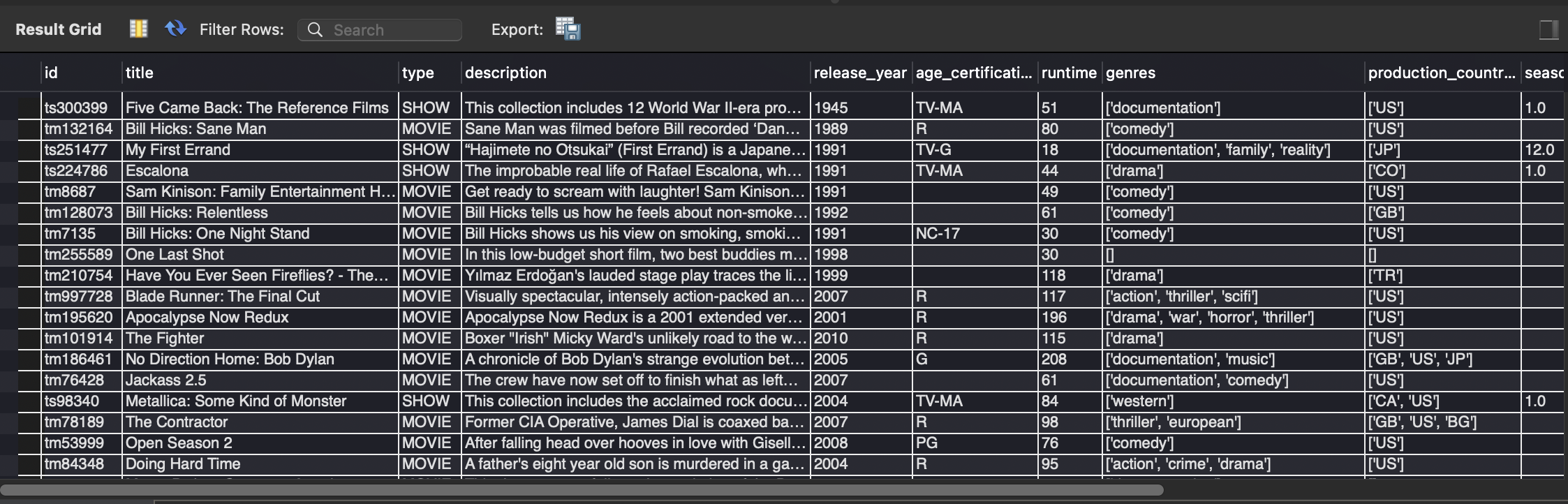
**Basic SQL Queries**

1. Retrieve all movies and shows.

select \*

From titles;

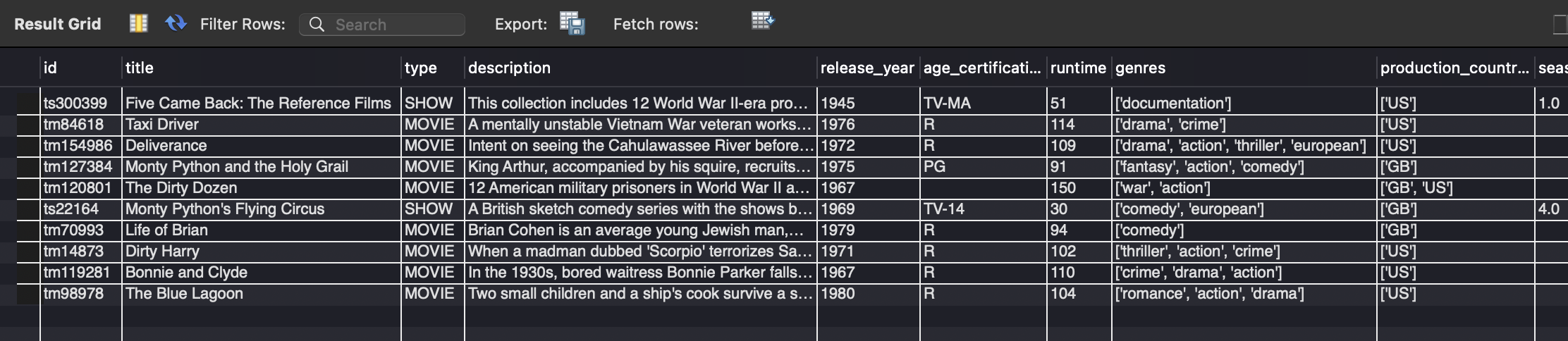


1. Retrieve the first 10 rows from the dataset.

select \*

From titles

limit 10;



1. Find all unique types (movies or TV shows) in the dataset. Use distinct instead of group by.

select type

From titles

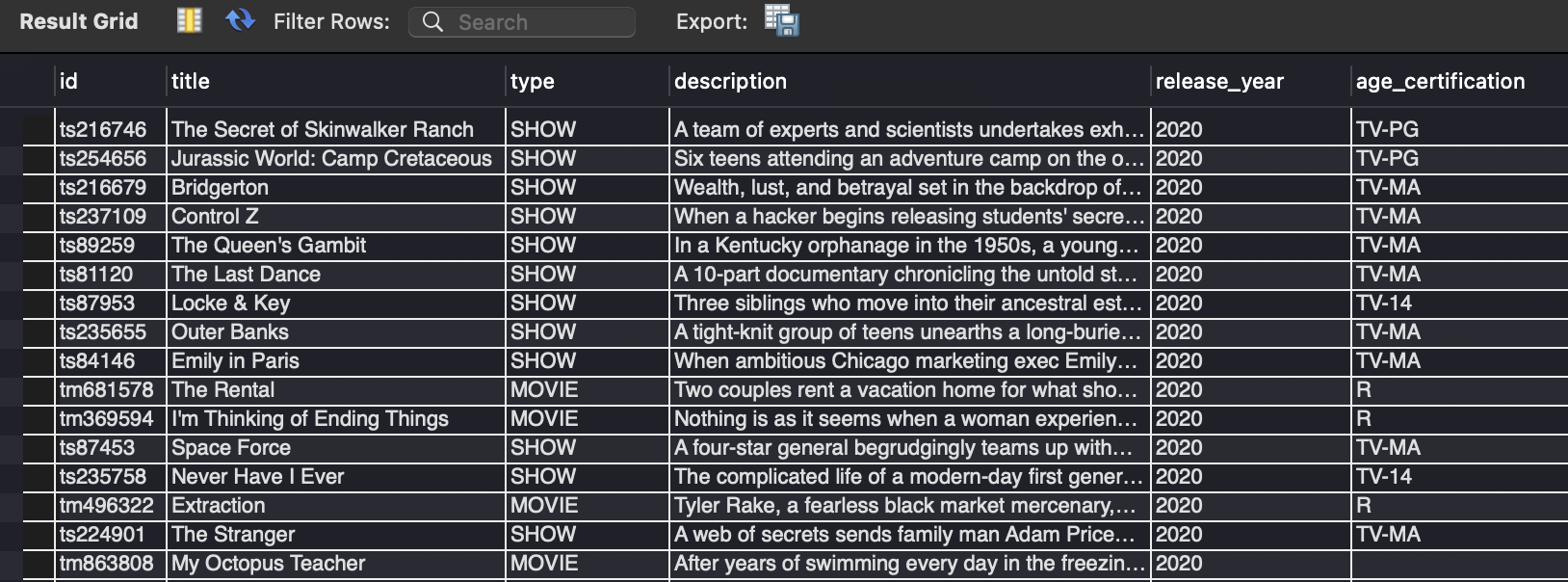
group by type;

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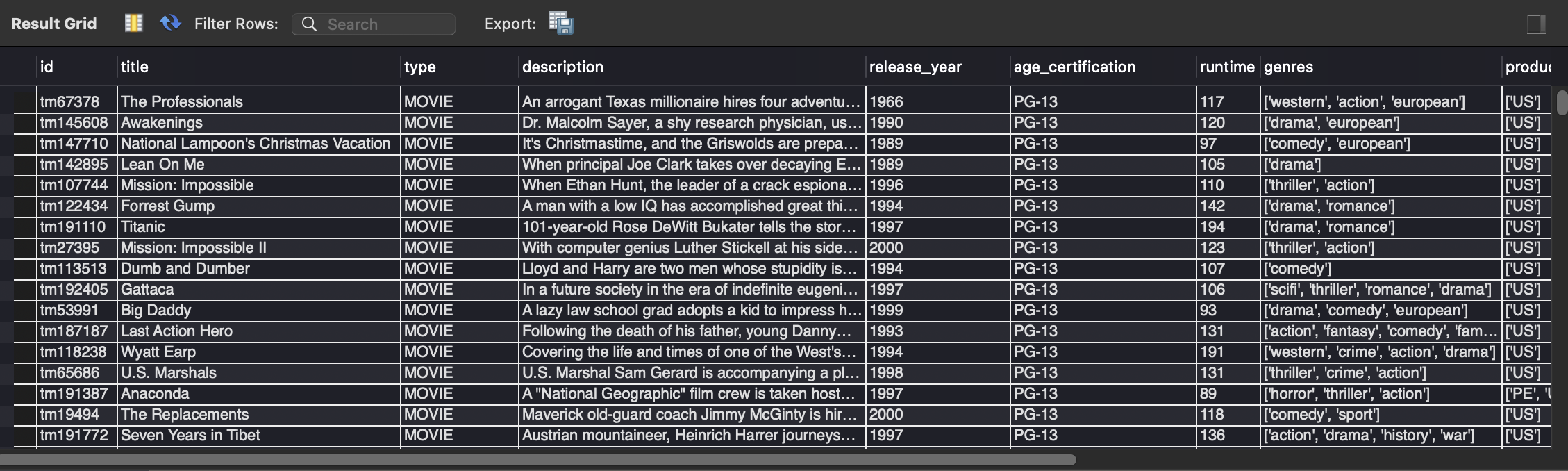
1. Get all shows and movies released in a specific year (e.g., 2020).

SELECT \* FROM titles WHERE release\_year= 2020;



1. Find all titles with a specific age certification (e.g., PG-13).

SELECT \* FROM titles WHERE age\_certification= 'PG-13';

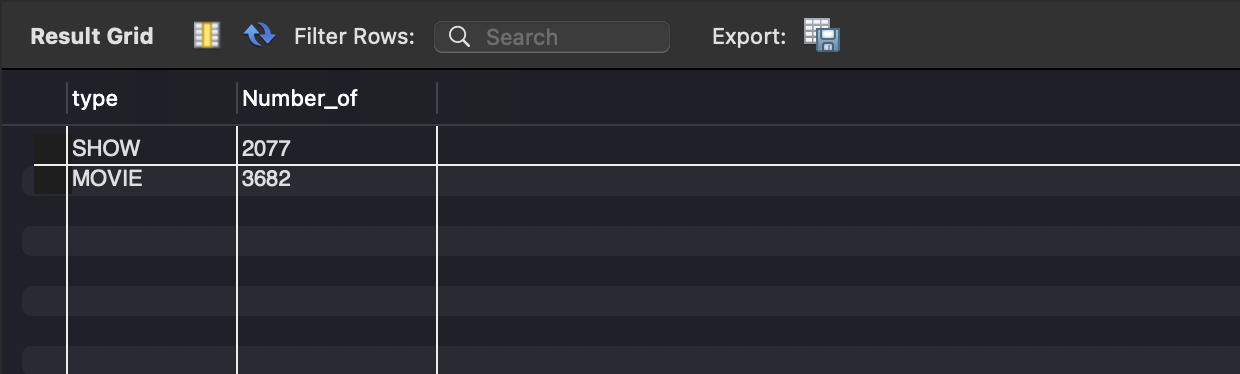


1. Get the count of movies and TV shows separately.

SELECT type, Count(type) As Number\_of

from titles

group by type;



**Intermediate SQL Queries**

1. Find the top 10 highest-rated movies based on IMDb score.

select title, imdb\_score

from titles

order by imdb\_score desc

limit 10;

A screenshot of a computer

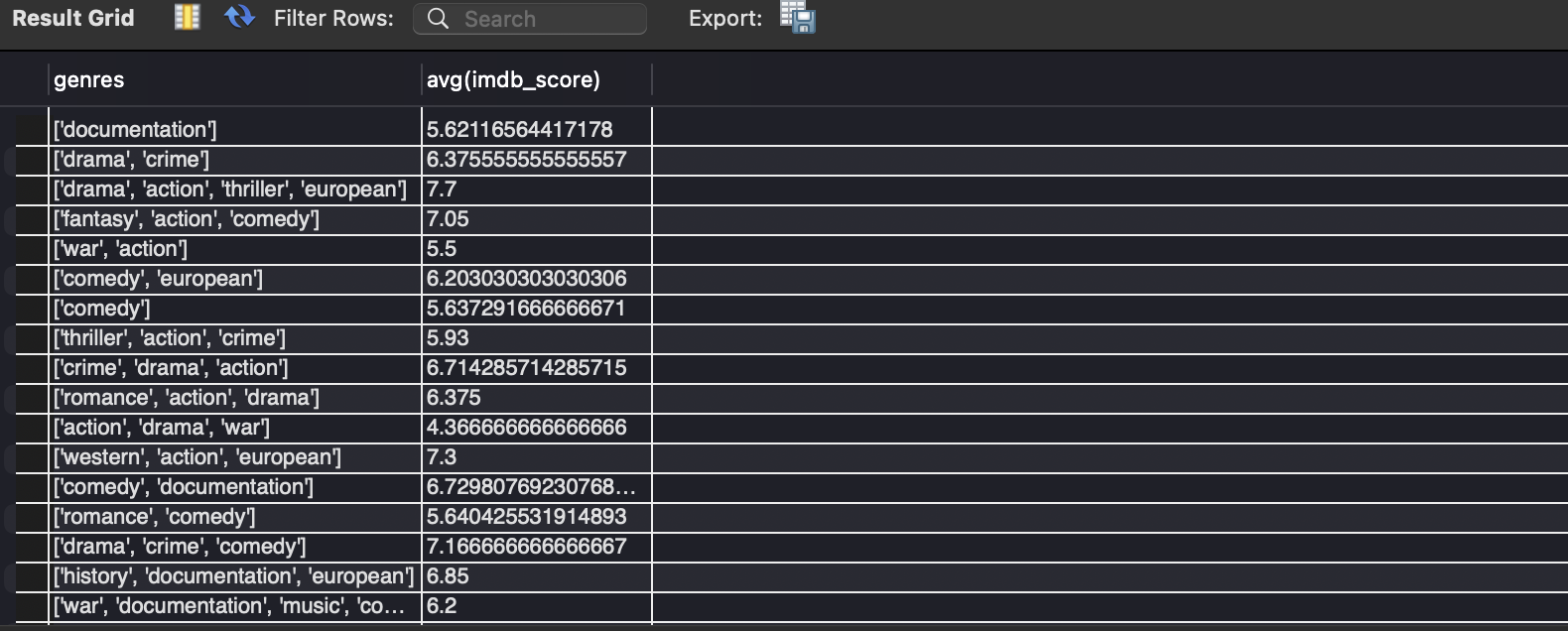
AI-generated content may be incorrect.

1. Find the average IMDb score for each genre. Round each average to two decimal places.

select genres, avg(imdb\_score)

from titles

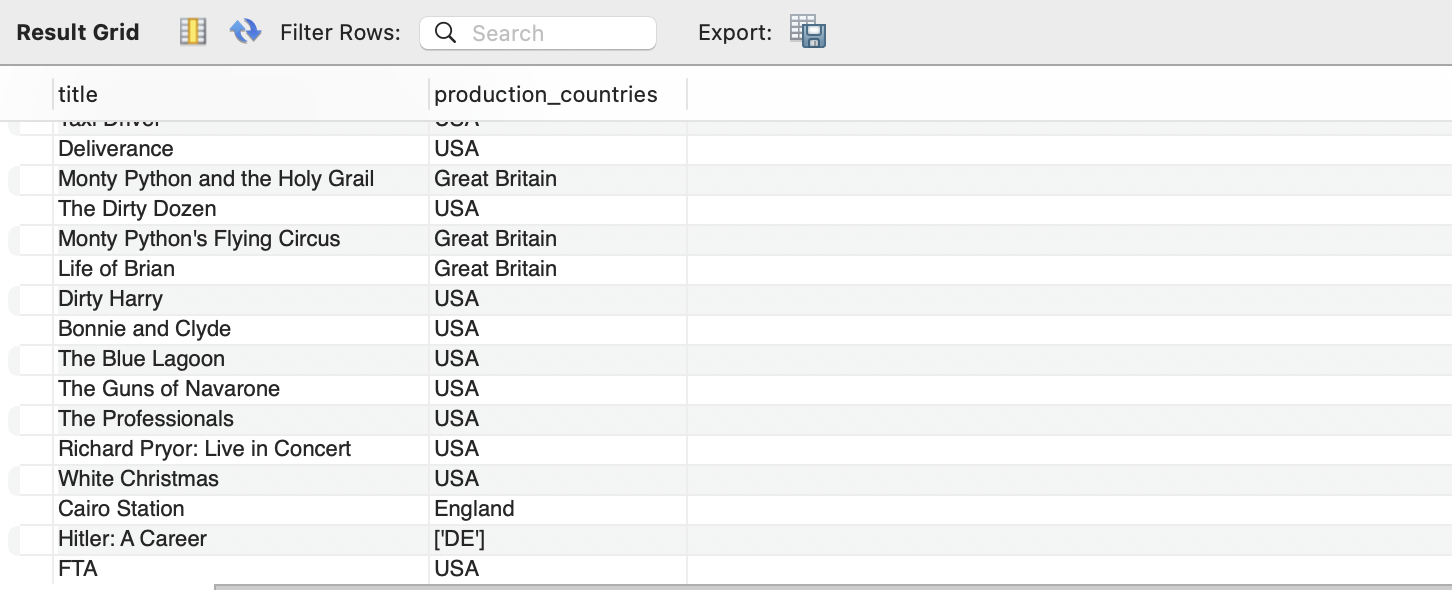
group by genres;



1. Get the total number of titles per production country..count(titles)..group by (prodcution country)

select title, production\_countries

From titles;

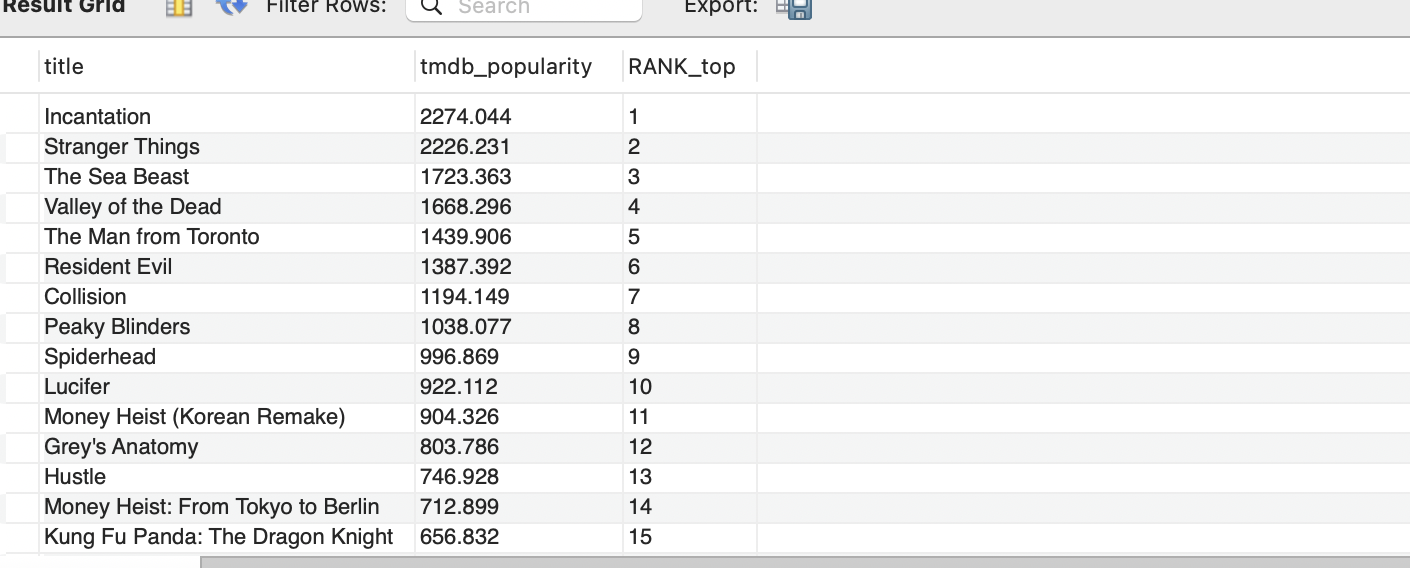


1. Find the most popular movies based on TMDB popularity score.

select title, tmdb\_popularity,

RANK() over(order by tmdb\_popularity desc) As RANK\_top

From titles;

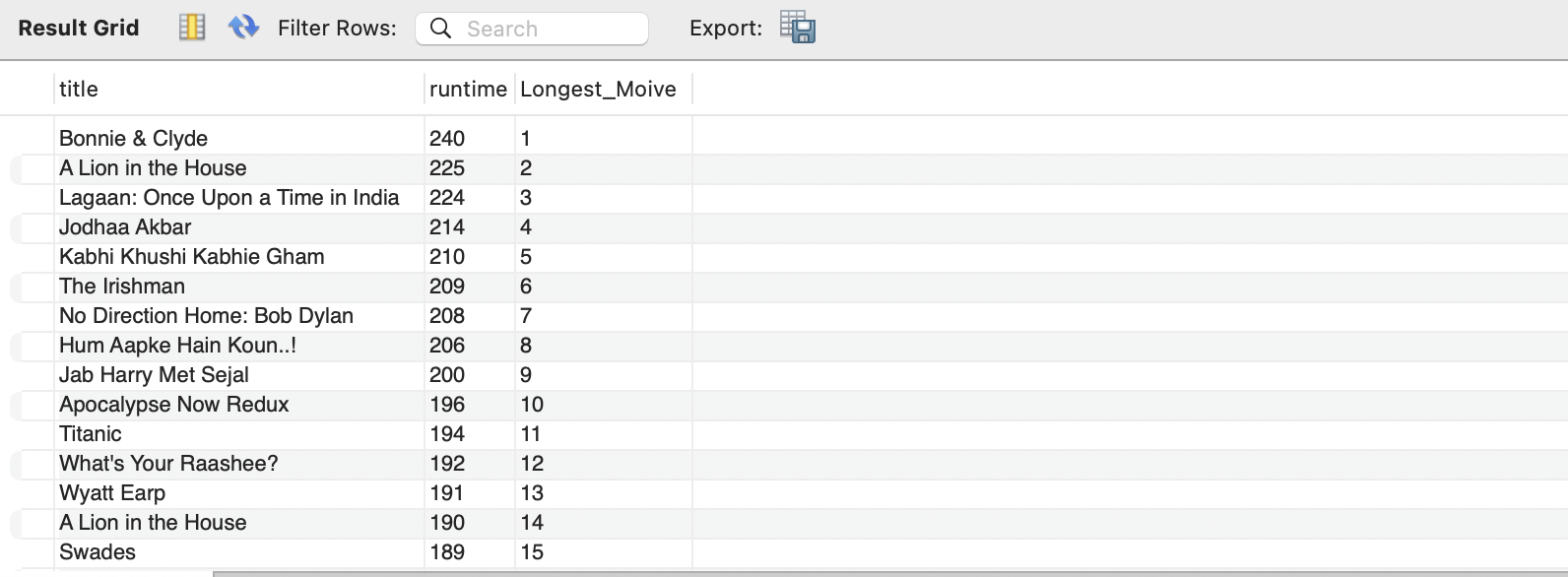


1. Get the longest movies (by runtime) in the dataset.

select title, runtime,

RANK() over(order by runtime desc) Longest\_Moive

From titles;



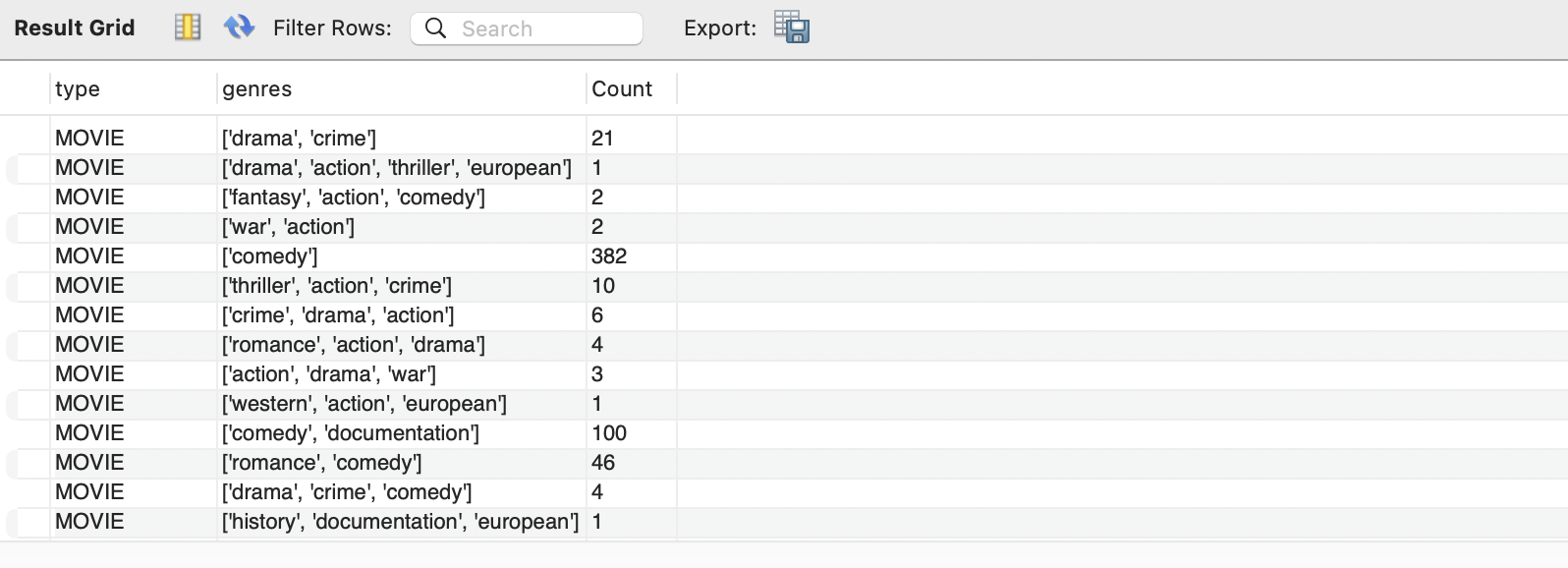
1. Find all movies that have multiple genres (i.e., contain a comma in the genres column).

select type, genres, count(\*) As Count

from titles

where type="MOVIE"

group by genres;



1. Find the top 5 most common age certifications.

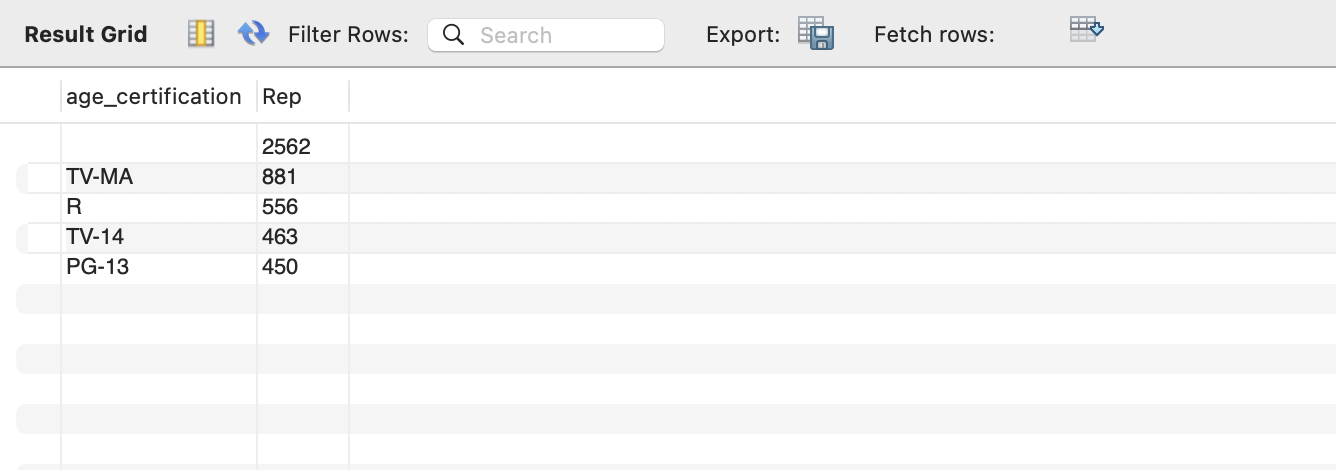
Select age\_certification, count(\*) AS Rep

from titles

group by age\_certification

order by Rep desc

limit 5;



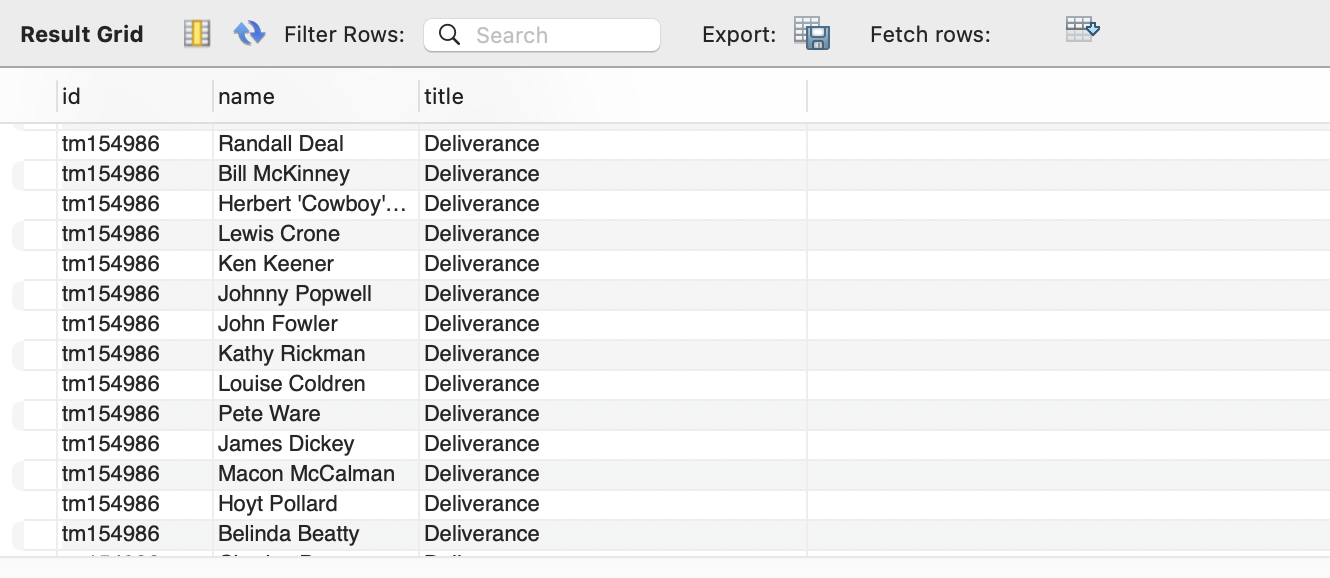
**Joins and Relationships**

1. Retrieve all actors and their associated titles.

SELECT credits. id, credits.name, titles.title

FROM titles

JOIN credits ON credits. id = titles. id;



1. Find the top 10 actors who have played in the most movies or shows.

SELECT credits.name, COUNT(titles.id) AS Title\_count

FROM credits

JOIN titles ON credits.id = titles.id

GROUP BY credits.name

ORDER BY title\_count DESC

LIMIT 10;

Or

Select credits.name, Title\_count

From (select credit.name, count(titles.title) AS Title\_count

Join titles ON Cridits.id =titles.id

Group by credits.name) As Subquery

Order by Title\_count DESC

LIMIT 10;



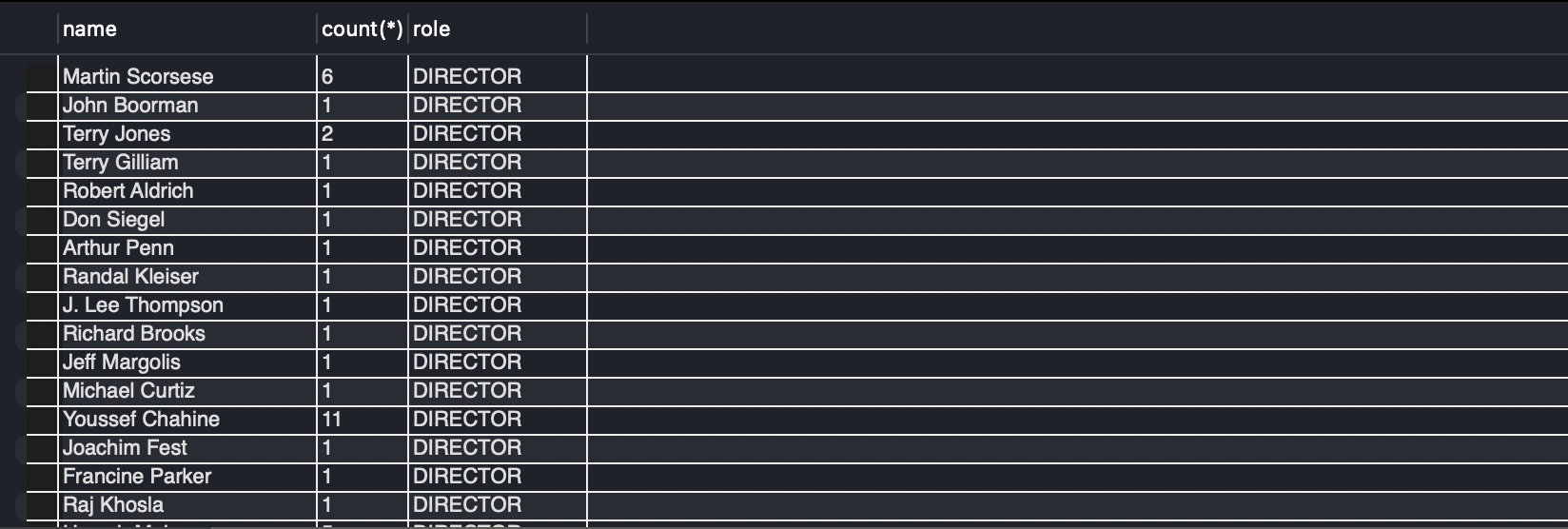
1. Find the most frequent directors in the dataset.

select name, count(\*), role

From credits

where role= 'DIRECTOR'

Group by name;



1. List all shows where a particular actor (e.g., "Leonardo DiCaprio") has played a role.

SELECT credits.name, titles.title, type

FROM titles

JOIN credits ON credits.id = titles.id

where role='Leonardo DiCaprio'& type= 'SHOW';

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1. Find the highest-rated movies and their directors.

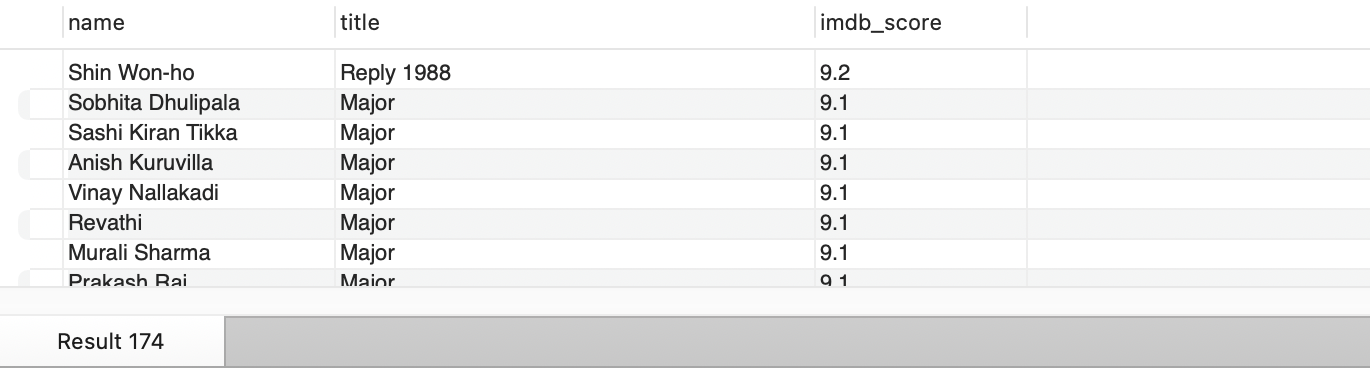
SELECT credits.name, titles.title, imdb\_score

FROM titles

JOIN credits ON credits.id = titles.id

where role ='DIRECTOR' or type='MOVIE'

order by imdb\_score DESC;



**Advanced SQL Queries**

1. Find the most common pairs of actors that appear together in movies.

-- not underdaning

SELECT c1.name AS actor\_1, c2.name AS actor\_2, COUNT(\*) AS movie\_count

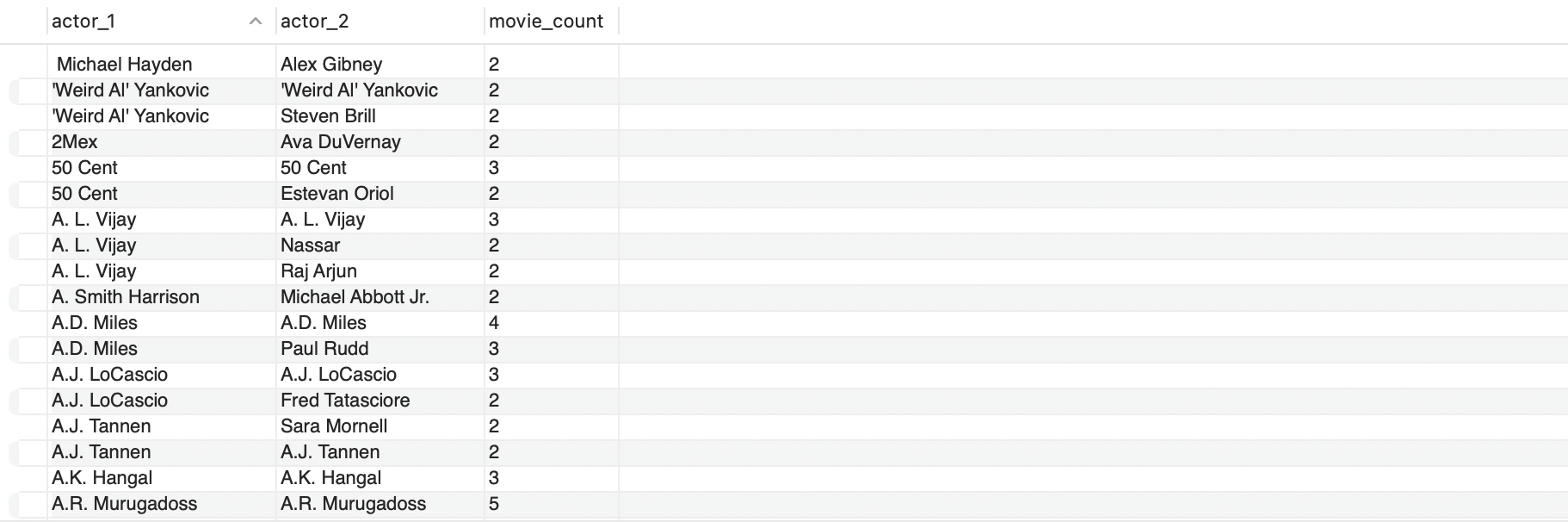
FROM credits c1

JOIN credits c2 ON c1.id = c2.id

AND c1.name < c2.name

GROUP BY c1.name, c2.name

ORDER BY movie\_count DESC;



1. Find the most successful production countries based on average IMDb score.

select production\_countries, imdb\_score

From titles

order by imdb\_score DESC;

A screenshot of a computer

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1. Find actors who have worked in both TV shows and movies.
2. Find the most successful TV shows based on IMDb score.

**Bonus Challenges**

1. Find the percentage of movies vs TV shows in the dataset.
2. Find the year with the highest average IMDb score.
3. Find actors who have appeared in at least 3 movies with an IMDb score greater than 8.0.