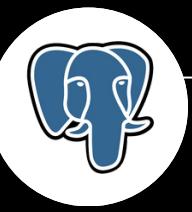


SQL Project

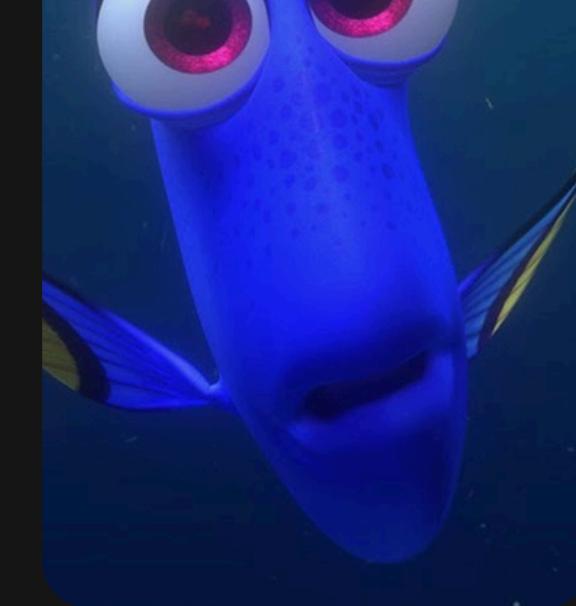


# MOVIE

## DATABASE ANALYSIS

## Introduction

- SQL-based project analyzing a structured movie database
- Focuses on data retrieval, insights, and performance analysis
- Uses complex queries to extract meaningful information



## Overview

- Identify top-rated movies and directors
- Analyze genre popularity and trends
- Find actors with the most collaborations
- Retrieve financial and rating-based insights





# Database Overview

Tables (7)

- gender
- genre
- movie
- movie\_cast
- movie\_crew
- movie\_genres
- person

## 7 Tables

Movies, Genres,  
Actors, Directors,  
Ratings, Cast,  
etc.

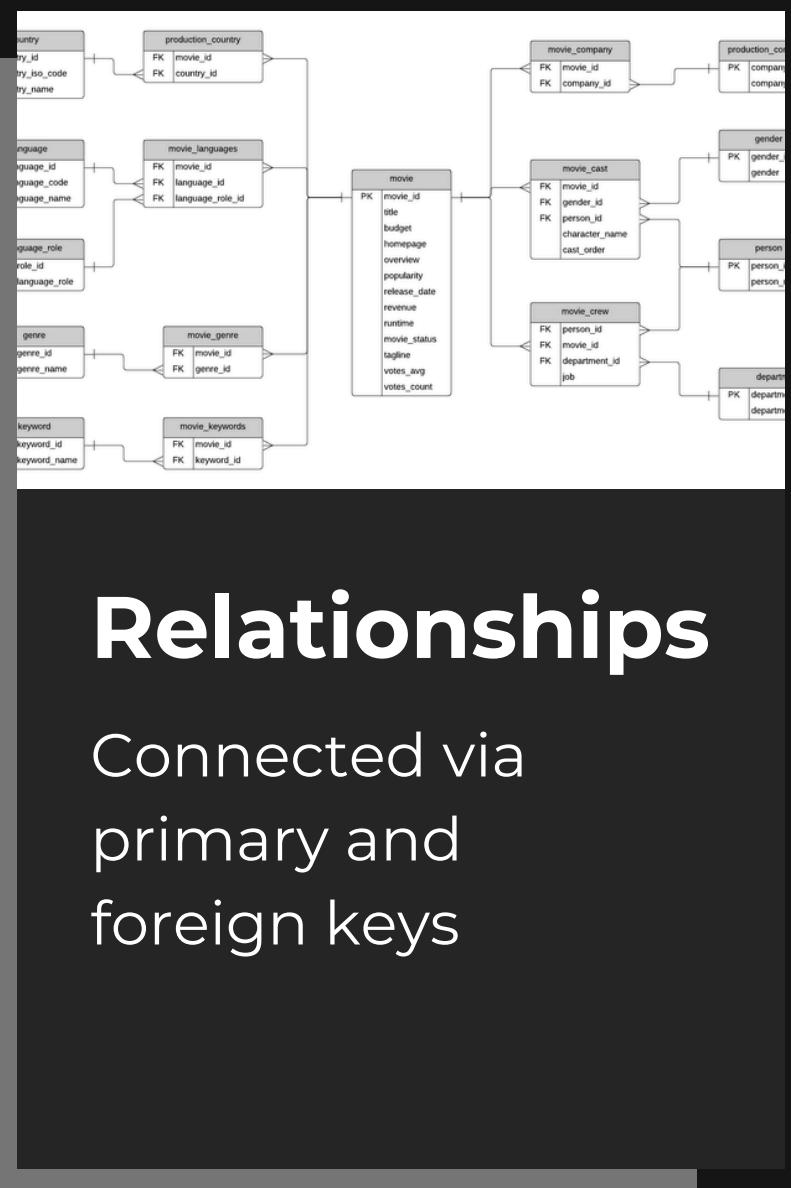
```
61
62
63
64
65
66
67
68
69
70
```

```
raw.githubusercontent.com/bbrumm/databasesatref/heads/main/sample_databases/sample_db_movies/postgres/05_movie.sql
```

```
61
62
63
64
65
66
67
68
69
70
```

## Data Volume

Large dataset  
(10000+ rows)  
with diverse  
attributes

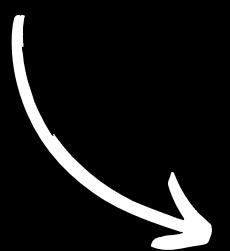


## Relationships

Connected via  
primary and  
foreign keys

#1

Retrieve the 5 lowest revenue-generating movies



	movie_id [PK] integer	title character varying (1000)	revenue bigint
1	311	Once Upon a Time in America	0
2	68	Brazil	0
3	309	Festen	0
4	103903	Outside Bet	0
5	332	Inspector Gadget	0

#2

Retrieve all movies along with their genres and average votes, grouped by genre



movie_id	title	genre_name	vote_average
5	Four Rooms	Comedy	6.50
5	Four Rooms	Crime	6.50
11	Star Wars	Adventure	8.10
11	Star Wars	Action	8.10
11	Star Wars	Science Fiction	8.10
12	Finding Nemo	Animation	7.60
12	Finding Nemo	Family	7.60
13	Forrest Gump	Drama	8.20
13	Forrest Gump	Comedy	8.20

#3

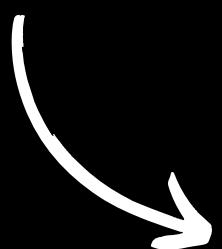
Retrieve all the movies that have a rating higher than 7.5, including their names, ratings, and genre



movie_id	title	vote_average	genre_name
11	Star Wars	8.10	Adventure
11	Star Wars	8.10	Action
11	Star Wars	8.10	Science Fiction
12	Finding Nemo	7.60	Animation
12	Finding Nemo	7.60	Family
13	Forrest Gump	8.20	Drama
13	Forrest Gump	8.20	Comedy
13	Forrest Gump	8.20	Romance
14	American Beauty	7.90	Drama
16	Dancer in the Dark	7.60	Drama
16	Dancer in the Dark	7.60	Crime

#4

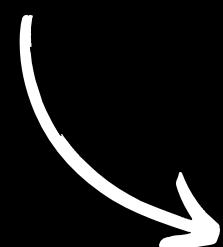
Retrieve the movie that has the highest number of actors



movie_id [PK] integer	title character varying (1000)	total_actors bigint
285	Pirates of the Caribbean: At World's End	21

#5

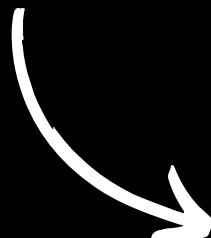
Retrieve the genres with movies that have an average rating above 8



title character varying (1000)	genre_name character varying (100)	ratings numeric (4,2)
Star Wars	Action	8.10
The Lord of the Rings: The Return of the King	Action	8.10
The Dark Knight	Action	8.20
七人の侍	Action	8.20
Star Wars	Adventure	8.10
The Lord of the Rings: The Return of the King	Adventure	8.10
もののけ姫	Adventure	8.20
千と千尋の神隠し	Adventure	8.30

#5

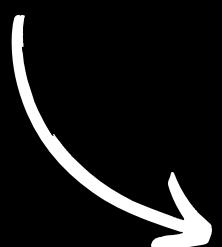
Retrieve the genres with movies that have an average rating above 8



title character varying (1000)	genre_name character varying (100)	ratings numeric (4,2)
Star Wars	Action	8.10
The Lord of the Rings: The Return of the King	Action	8.10
The Dark Knight	Action	8.20
七人の侍	Action	8.20
Star Wars	Adventure	8.10
The Lord of the Rings: The Return of the King	Adventure	8.10
もののけ姫	Adventure	8.20
千と千尋の神隠し	Adventure	8.30

#6

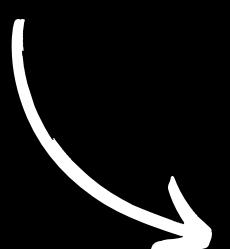
Retrieve the movies that have the lowest and highest ratings, along with their genres



title character varying (1000) 	genre_name character varying (100) 	vote_average numeric (4,2) 
The Shawshank Redemption	Drama	8.50
Jaws: The Revenge	Adventure	3.50

#7

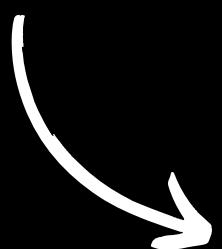
Find the actors who have worked with the highest number of directors and list their names



person_name character varying (500)	num_of_directors bigint
David Schofield	1
Geoffrey Rush	1
Johnny Depp	1
Jonathan Pryce	1
Keira Knightley	1
Orlando Bloom	1

#8

Retrieve the most common genre in the dataset based on the number of movies



genre_name	movie_count
character varying (100)	bigint
Drama	291



avan\_1404

# THANK YOU

▶ End

