MOVIES DATA ANALYSIS

Presented by

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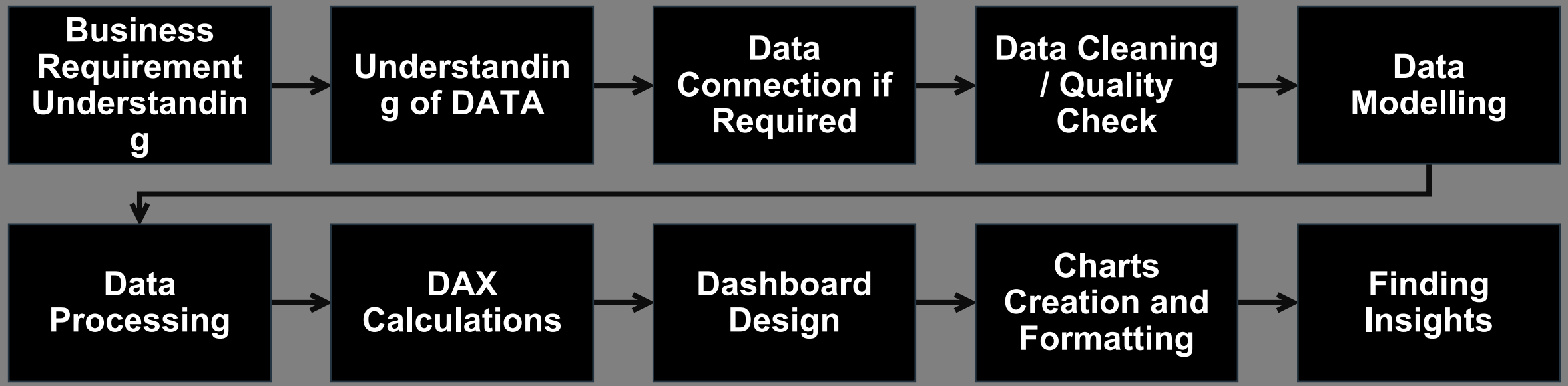
PROJECT STEPS



SQL DATABASE

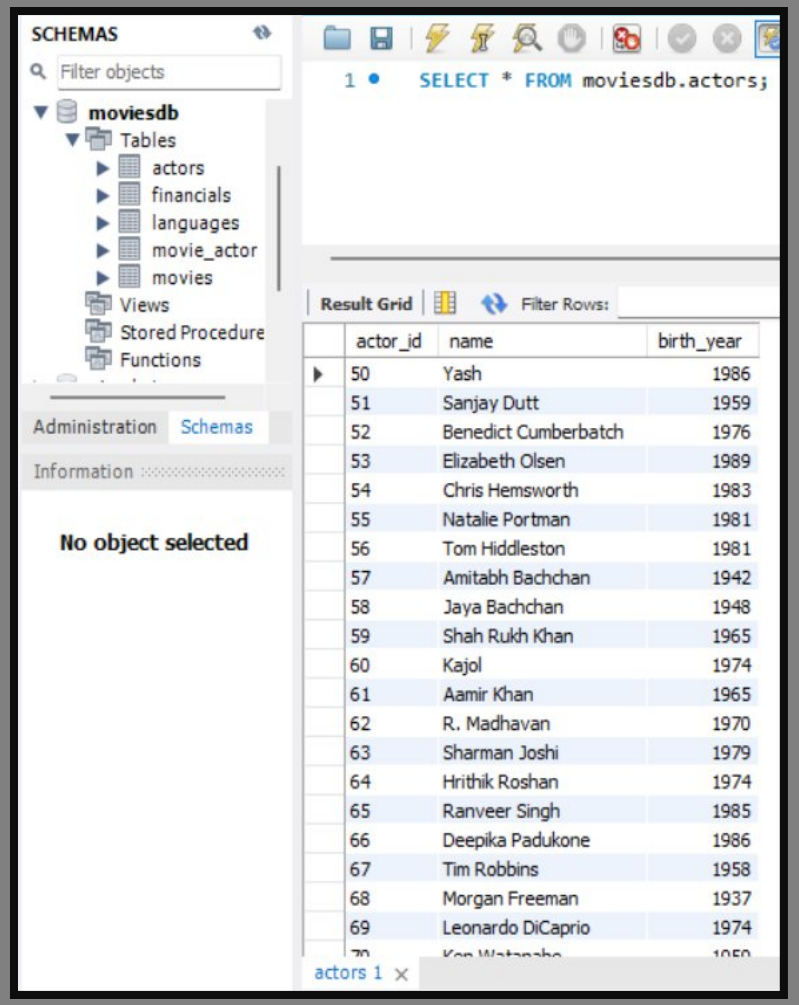


Table: Actors

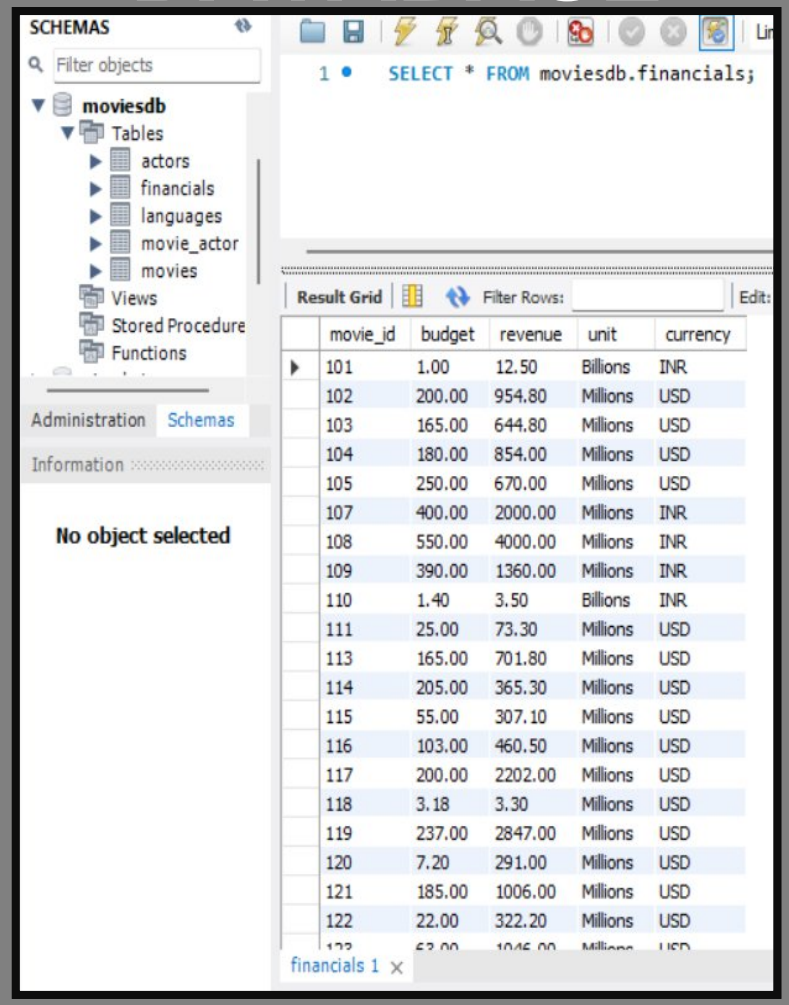


Table: Financials

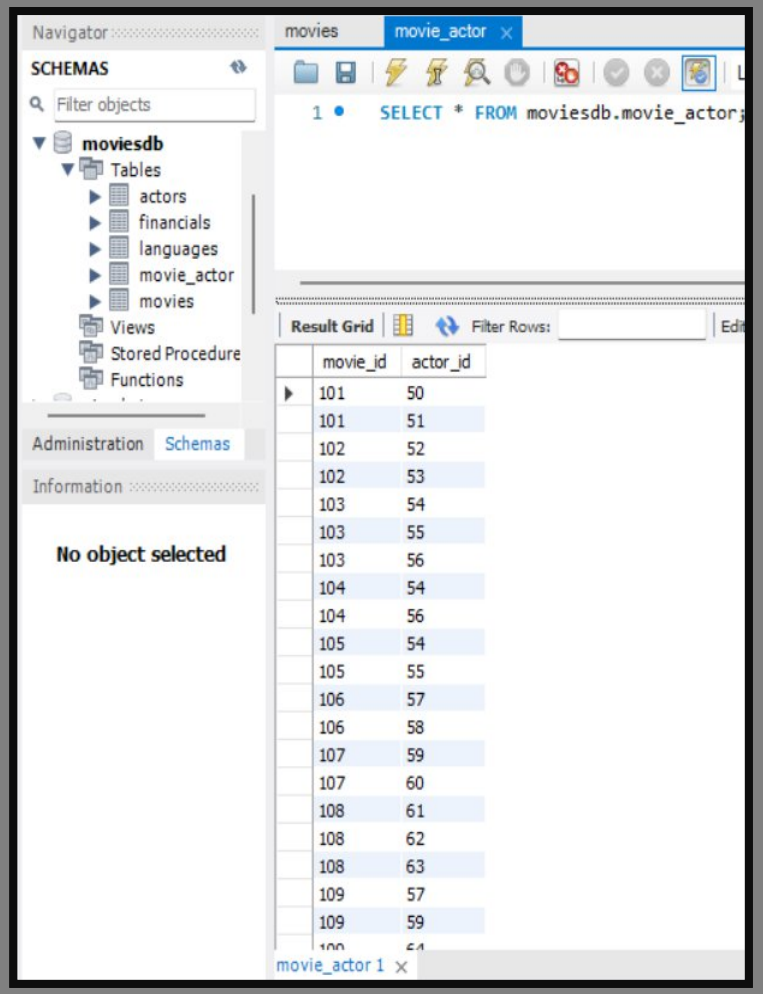


Table: Movie Actor

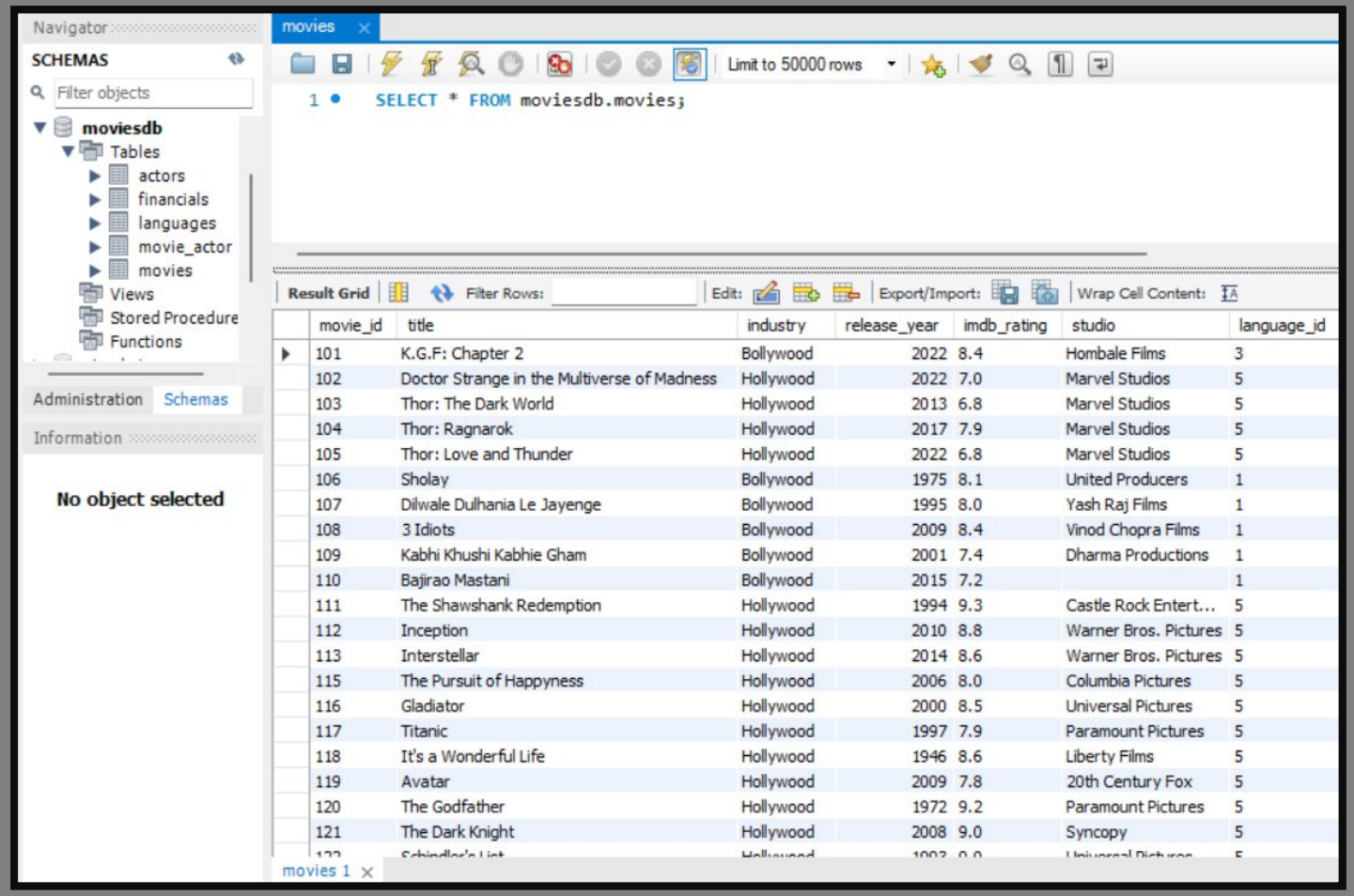


Table: Movies

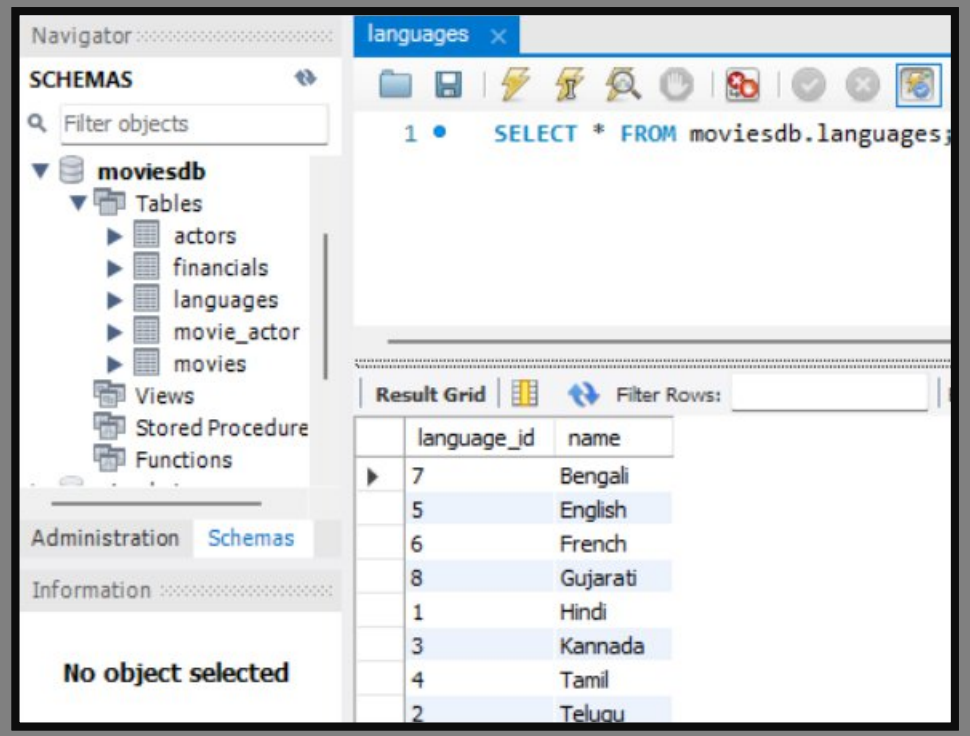
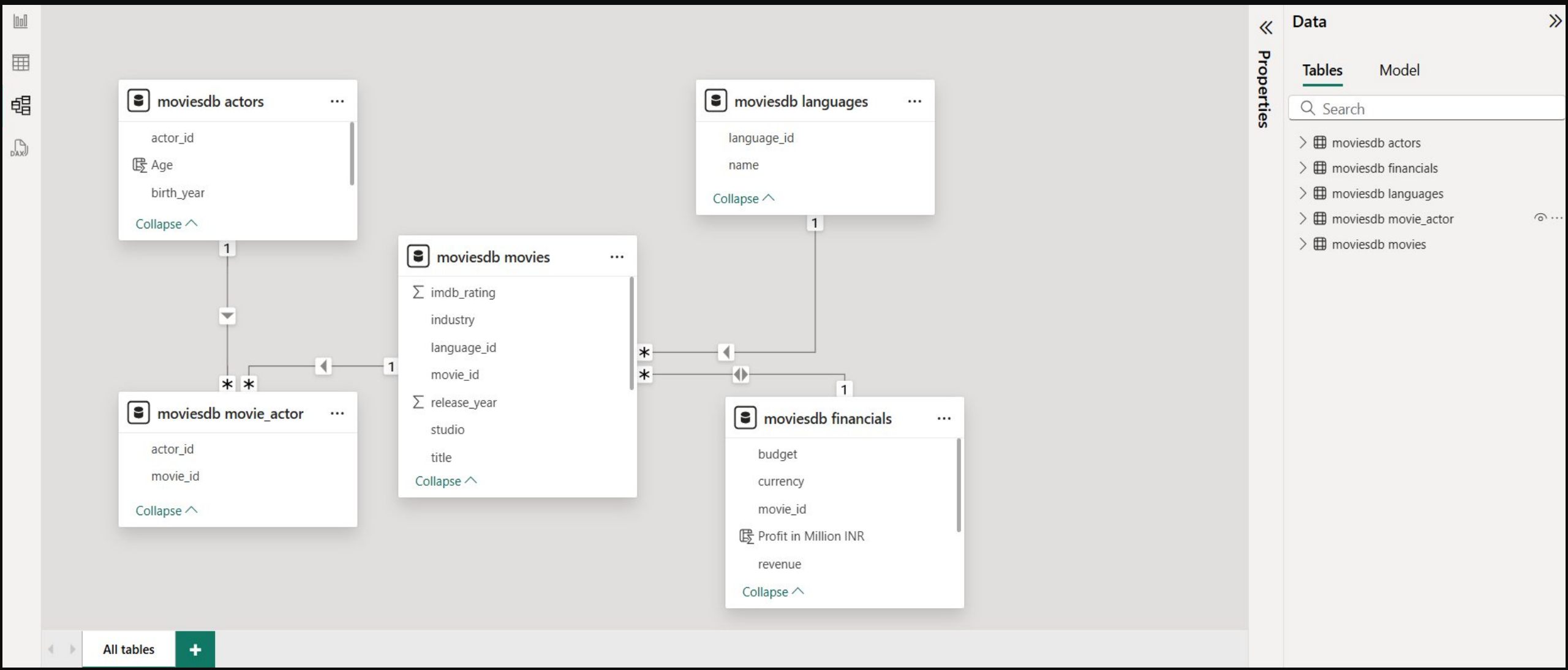


Table: Languages

DATA MODELLING



KPI'S

Total Movies: The total number of movies analyzed in the dataset

Total Industry: The number of different film industries included in the analysis.

Total Studios: The total number of movie studios represented in the data.

Average IMDb Rating: The average IMDb score of all movies in the dataset.

Total Revenue: The total revenue generated from all movies.

DAX FORMULAS

```
1 Total Movies = COUNTROWS('moviesdb movies')
```

```
1 Total Industry = DISTINCTCOUNT('moviesdb movies'[industry])
```

```
1 Total Studios = DISTINCTCOUNT('moviesdb movies'[studio])
```

```
1 Avg imdb rating = AVERAGE('moviesdb movies'[imdb_rating])
```

```
1 Total Revenue = SUM('moviesdb financials'[Profit in Million INR])
```

```
1 Age = YEAR(TODAY()) - 'moviesdb actors'[birth_year]
```

```
Profit in Million INR =
VAR profit =
    SWITCH(
        TRUE(),
        'moviesdb financials'[unit] = "thousands",
            ROUND(('moviesdb financials'[revenue] - 'moviesdb financials'[budget]) /
            1000, 1),
        'moviesdb financials'[unit] = "billions",
            ROUND(('moviesdb financials'[revenue] - 'moviesdb financials'[budget]) *
            1000, 1),
        ROUND('moviesdb financials'[revenue] - 'moviesdb financials'[budget], 1)
    )
RETURN
    SWITCH(
        'moviesdb financials'[currency],
        "USD", ROUND(profit * 83, 1),
        profit
    )
```

CHARTS

- Total Movies by Language – Bar Chart
- Total Movies by Currency – Column Chart
- Total Movies by Studio – Column Chart
- Total Movies by Industry – Pie Chart
- Actor Details (Name, Birth Year, Age) - Table
- Top Movies and Profit – Table
- Filter Panel - Slicers

Movies Data Analysis

Filter Panel

Industry
All

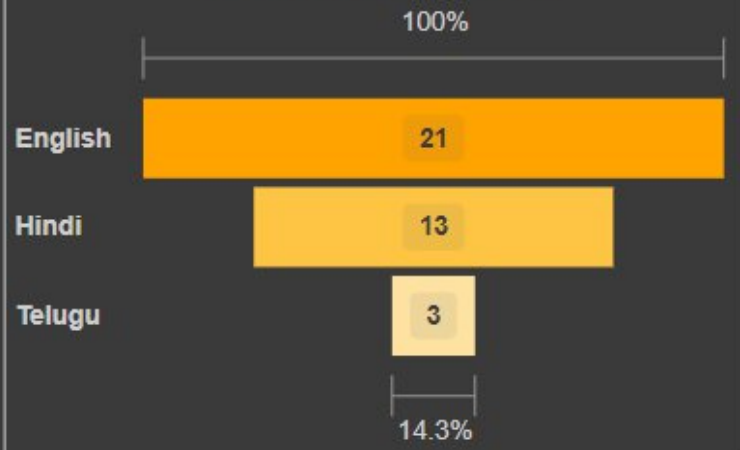
Studio
All

Release Year
All

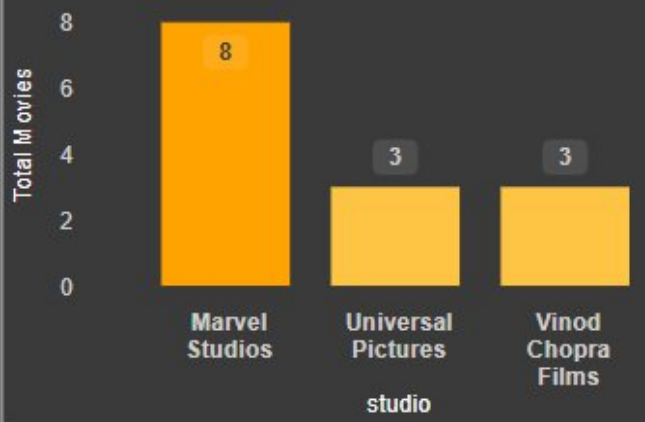
Total Movies	Total Industry	Total Studios	Avg imdb rating	Total Revenue
39	2	22	7.95	1.42M

name	birth_year	Age
Aamir Khan	1965	60
Al Pacino	1940	85
Allu Arjun	1982	43
Amitabh Bachchan	1942	83
Anil Kapoor	1956	69
Anne Hathaway	1982	43
Anupam Kher	1955	70
Anushka Sharma	1988	37
Ben Kingsley	1943	82
Benedict Cumberbatch	1976	49
Chris Evans	1981	44
Chris Hemsworth	1983	42

Total Movies by name

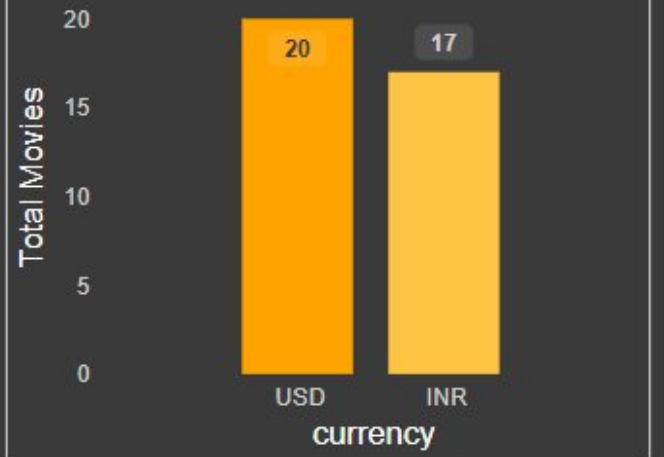
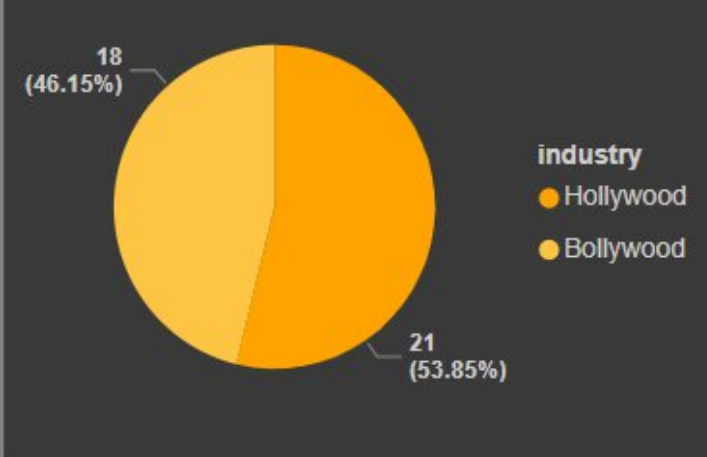


Total Movies by studio



title	Profit in Million INR
Titanic	1,66,166.00
Thor: The Dark World	39,823.40
Thor: Ragnarok	55,942.00
Thor: Love and Thunder	34,860.00
The Shawshank Redemption	4,008.90
The Pursuit of Happyness	20,924.30
The Kashmir Files	3,159.00
The Godfather	23,555.40
The Dark Knight	68,143.00
Taare Zameen Par	1,230.00
Sholay	
Shershaah	450.00

Total Movies by currency



Total Movies by industry