

IMDB Movie Analysis

Problem Statement

Integrate movies data related to crew, box office performance, movie details and name changes.

Source Data:

MySQL : Load this SQL DB file to your local MySQL database and use as source connection

Revenue related TSV files with Movie box office numbers

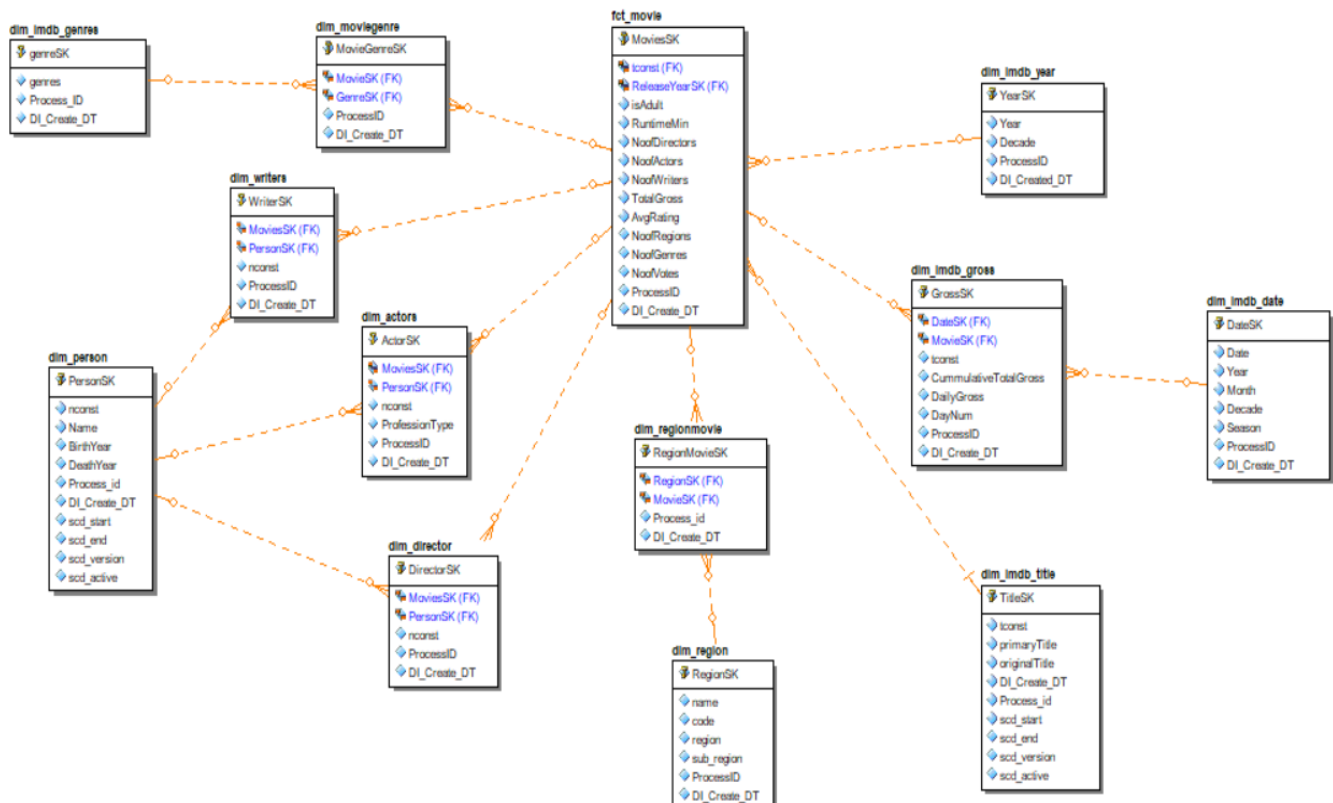
SCD2 related data JSON files: There are 2 JSON file contains Movie titles changes file contains actor name changes

BI Requirements:

Trend Analysis, Genre Analysis, Performance Metrics, Director Success Metrics, Actor and Actress Film Records, Seasonal Analysis, Release Regions and Movie Success.

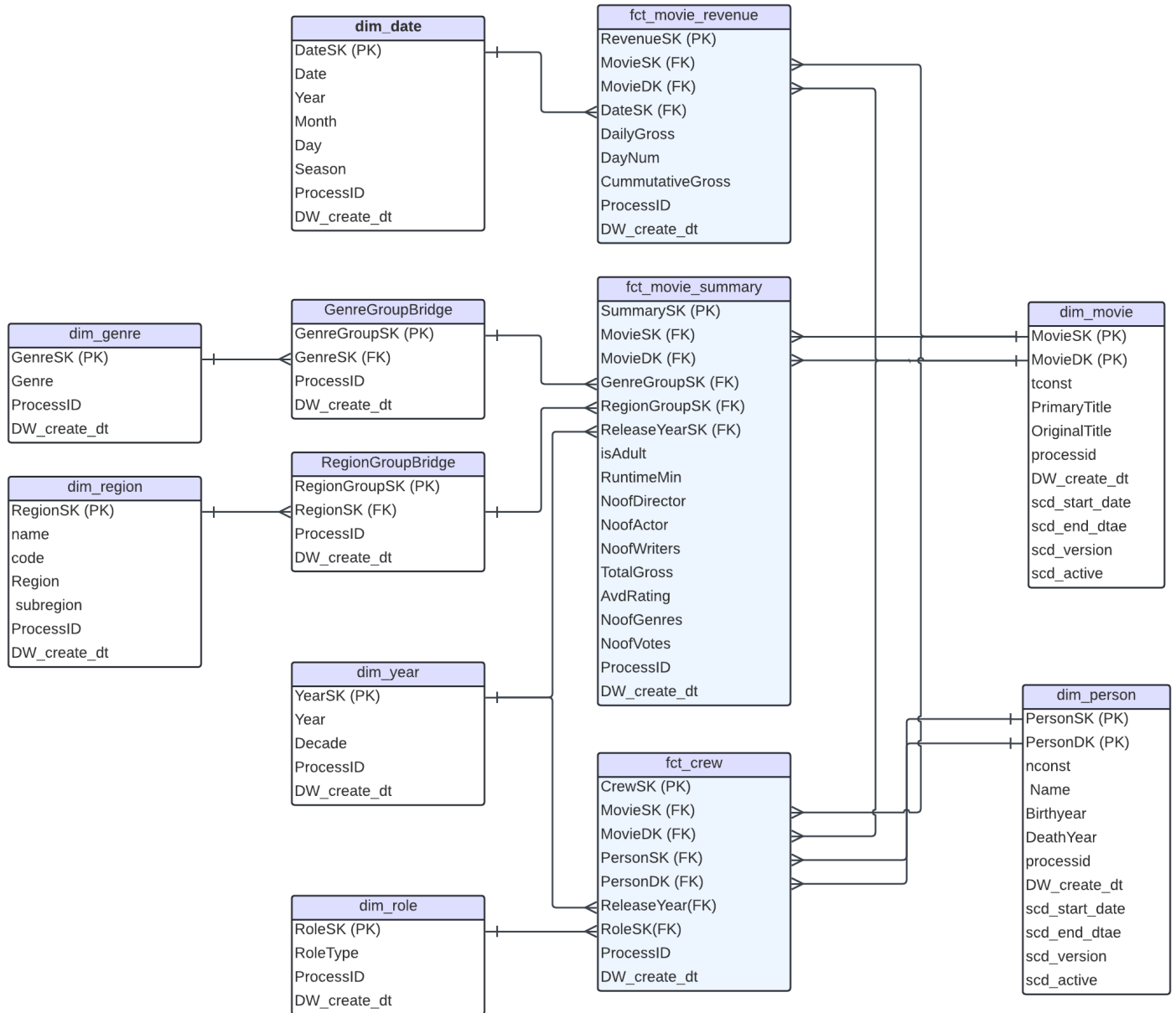
Solution: [GitHub](#)

Data Model: I created a Data Model in Dec 2023 for the Project. I have updated this model as this has design and implementation flaws.



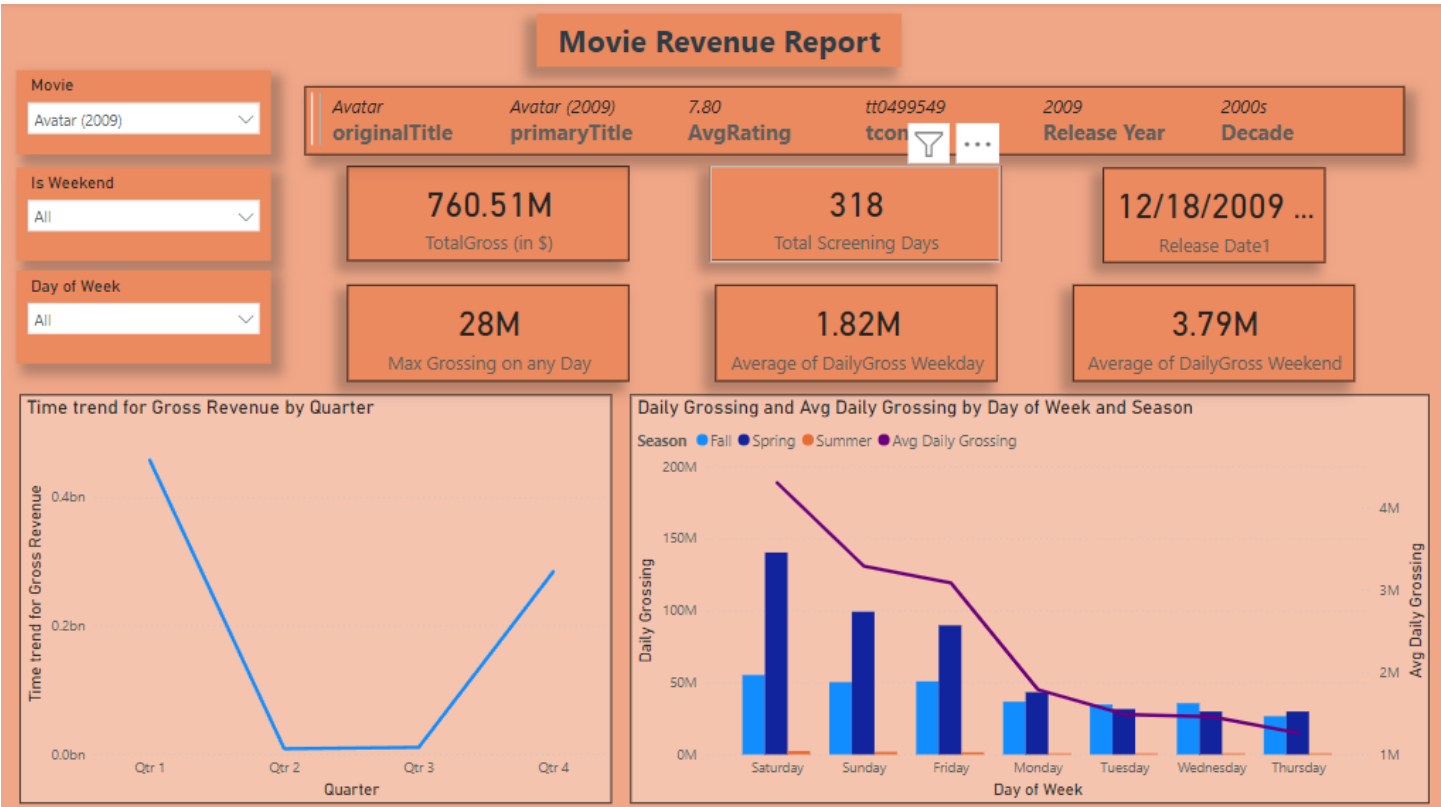
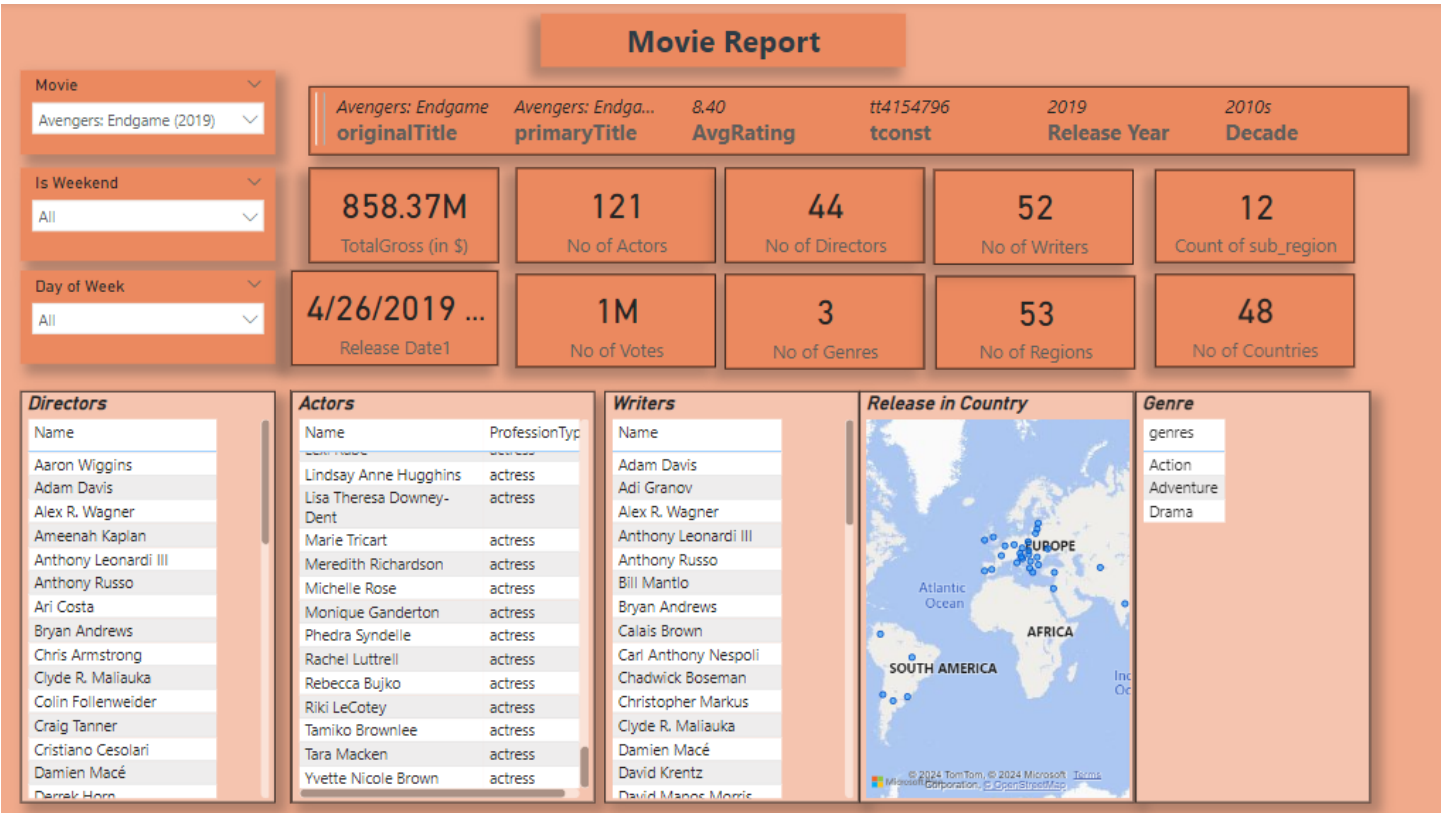
Updated Model:

1. Reduced dependency
2. Implement Conformed Dimensions
3. Keys Consistency
4. Improved Performance



BI Reports

Reports are based on the old Dimensional Model. I have used DAX and Power Query to enhance my reports.



Avatar

Avatar (2009)

7.80

tt0499549

2009

2000s

originalTitle

primaryTitle

AvgRating

tconst

Release Year

Decade

760.51M

TotalGross (in \$)

318

Total Screening Days

12/18/2009 ...

Release Date1

28M

Max Grossing on any Day

1.82M

Average of DailyGross Weekday

3.79M

Average of DailyGross Weekend

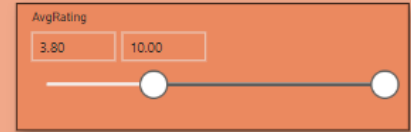
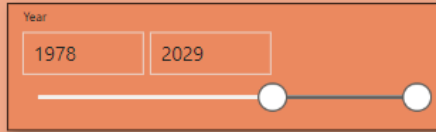
Time trend for Gross Revenue by Quarter



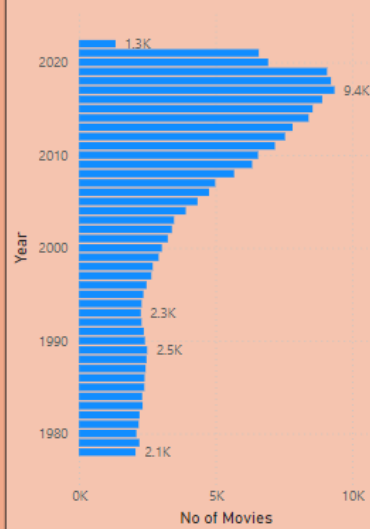
Daily Grossing and Avg Daily Grossing by Day of Week and Season



Trend Analysis Report



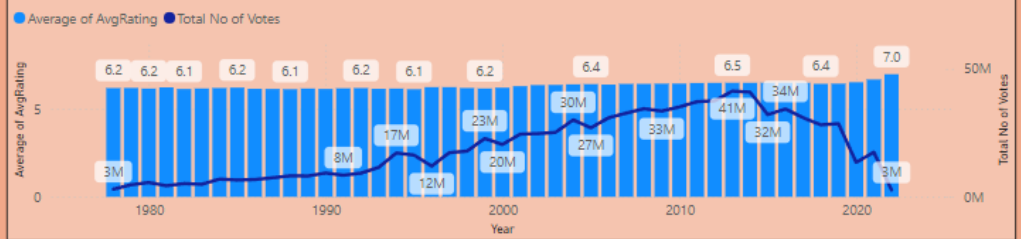
No of Movies by Year



Average of RuntimeMin by Year



Average of AvgRating and Total No of Votes by Year



Actor Dashboard

Actor Name

Stan Lee

primaryTitle

All

nconst

All

Stan Lee

1922

BirthYear

2018

DeathYear

nm0498278

nconst

87.51M

TotalGross (in \$)

0

No of Movies as Director

4

No of Regions

12

Count of sub_region

8

No of Movies as Actor

0

No of Movies as Writer

8

No of genres

54

No of Countries

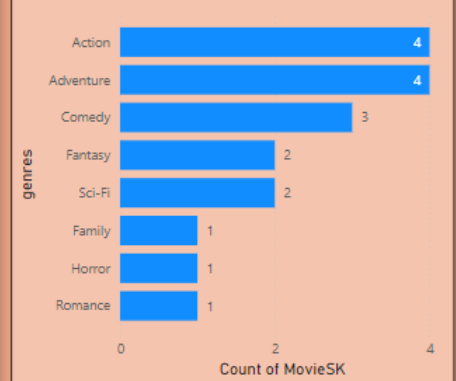
Movies

Black Panther (2018)	Black Panther
primaryTitle	originalTitle
Doctor Strange	Doctor Strange
primaryTitle	originalTitle
Guardians of the Galaxy...	Guardians of the Galaxy V...
primaryTitle	originalTitle
Gue Kapok Jatuh Cinta	Gue Kapok Jatuh Cinta
primaryTitle	originalTitle
Jugular Wine: A Vampir...	Jugular Wine: A Vampire ...
primaryTitle	originalTitle
NA	Na

Released in Countries



Genre





Director Dashboard

Director Name

A.J. Briones

primaryTitle

All

nconst

All

A.J. Briones

Name

9999

BirthYear

9999

DeathYear

nm2310077

nconst

152.10M

TotalGross (in \$)

5

No of Movies as Director

4

No of Regions

12

Count of sub_region

0

No of Movies as Actor

4

No of Movies as Writer1

7

No of genres

56

No of Countries

Movies

A Night of Horror: Nigh...
primaryTitle

A Night of Horror: Nightm...
originalTitle

Avatar (2009)
primaryTitle

Avatar
originalTitle

Battleship
primaryTitle

Battleship
originalTitle

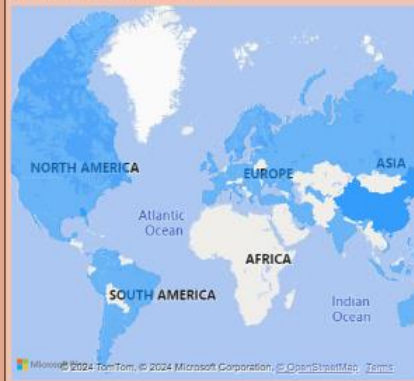
Dawn of the Planet of t...
primaryTitle

Dawn of the Planet of the ...
originalTitle

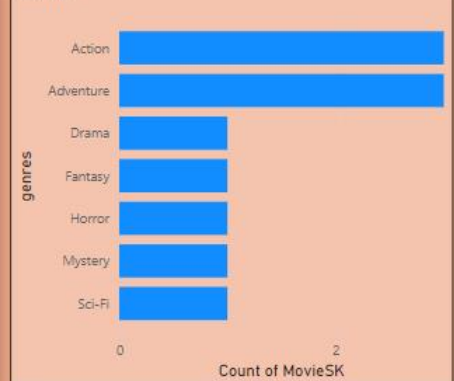
NA
primaryTitle

Na
originalTitle

Movie released countries



Genre



Region Report

Region

Select all

Africa

Americas

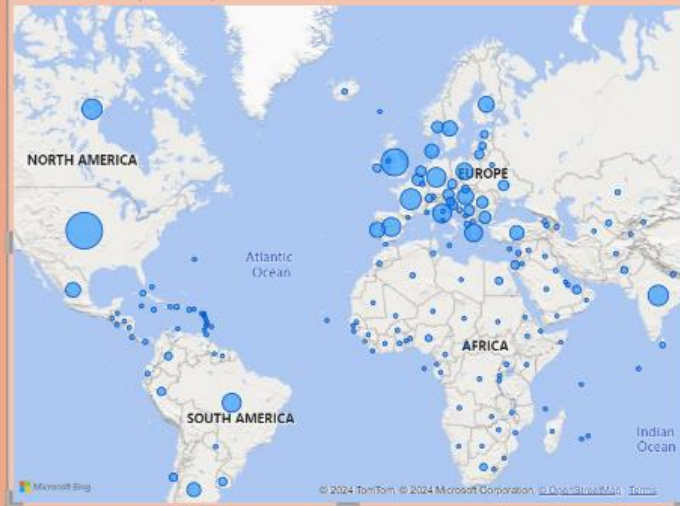
Asia

Europe

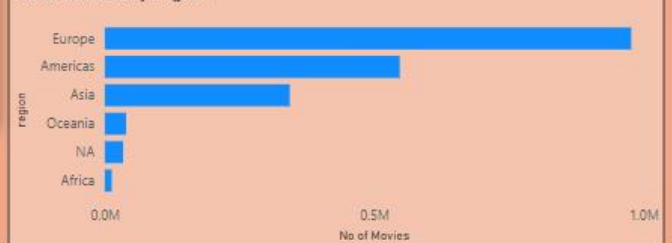
NA

Oceania

No of Movies by Country



No of Movies by region



No of Movies by sub_region

