

IMDB Movies Analysis

Arushi, Abigail, Ben, Caleb, Kaden

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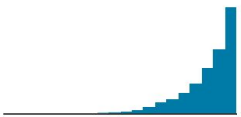
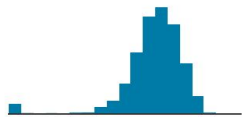
Visualization



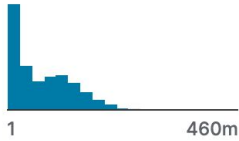
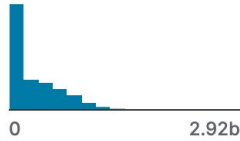

Dataset Background

01

Examples of Data Part 1

<div> <div>▲</div> <div>names</div> <div>≡</div> </div> <div>movie name</div>	<div> <div>📅</div> <div>date_x</div> <div>≡</div> </div> <div>release date</div>	<div> <div>#</div> <div>score</div> <div>≡</div> </div> <div>user rating</div>	<div> <div>▲</div> <div>genre</div> <div>≡</div> </div> <div>genre of the movie</div>	<div> <div>▲</div> <div>overview</div> <div>≡</div> </div> <div>an overview</div>	<div> <div>▲</div> <div>crew</div> <div>≡</div> </div> <div>crew members</div>
<div>9660</div> <div>unique values</div>	 <div>14May0330Dec23</div>	 <div>0100</div>	<div>Drama5%</div> <div>Comedy4%</div> <div>Other (9249)91%</div>	<div>9905</div> <div>unique values</div>	<div>9928</div> <div>unique values</div>
Creed III	03/02/2023	73.0	Drama, Action	After dominating the boxing world, Adonis Creed has been thriving in both his career and family life...	Michael B. Jordan, Adonis Creed, Tessa Thompson, Bianca Taylor, Jonathan Majors, Damien Anderson, Wo...
Avatar: The Way of Water	12/15/2022	78.0	Science Fiction, Adventure, Action	Set more than a decade after the events of the first film, learn the story of the Sully family (Jake...	Sam Worthington, Jake Sully, Zoe Saldña, Neytiri, Sigourney Weaver, Kiri / Dr. Grace Augustine, Ste...
The Super Mario Bros. Movie	04/05/2023	76.0	Animation, Adventure, Family, Fantasy, Comedy	While working underground to fix a water main, Brooklyn plumbers-and brothers-Mario and Luigi are tr...	Chris Pratt, Mario (voice), Anya Taylor-Joy, Princess Peach (voice), Charlie Day, Luigi (voice), Jac...

Examples of Data Part 2

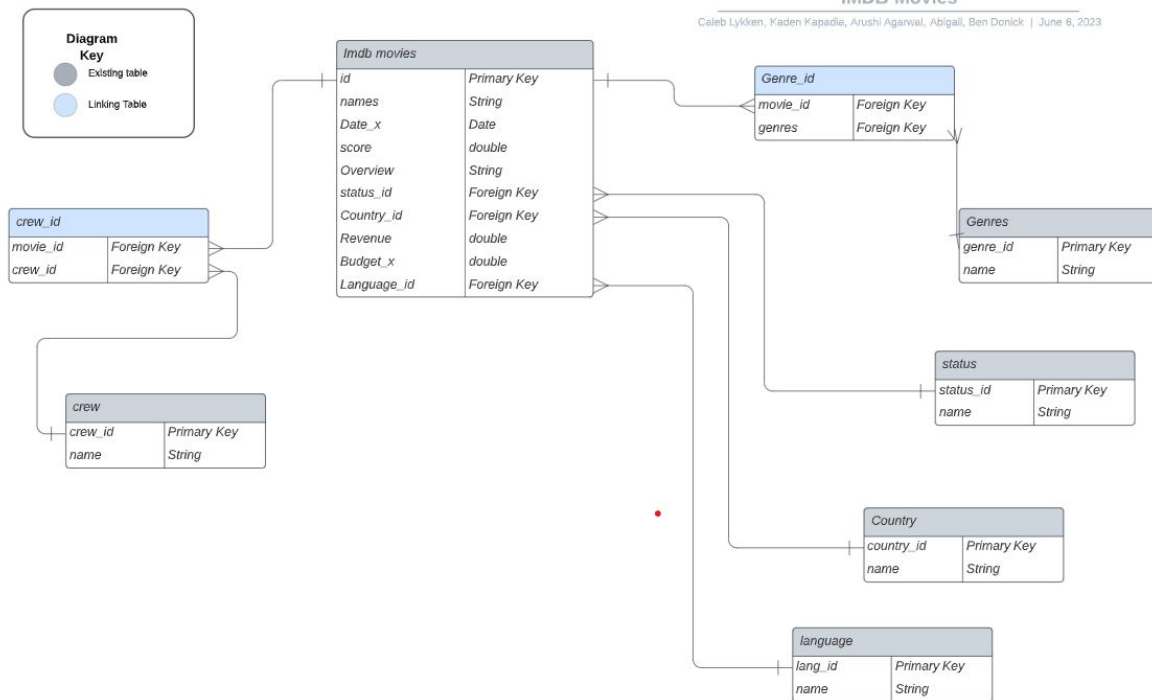
<div> <div>▲</div> <div>orig_title</div> <div>≡</div> </div> <div>original title of the movie</div>	<div> <div>▲</div> <div>status</div> <div>≡</div> </div> <div>release status</div>	<div> <div>▲</div> <div>orig_lang</div> <div>≡</div> </div> <div>originally reased in this language</div>	<div> <div>#</div> <div>budget_x</div> <div>≡</div> </div> <div>movie budget</div>	<div> <div>#</div> <div>revenue</div> <div>≡</div> </div> <div>revenue generated worldwide</div>	<div> <div>🌐</div> <div>country</div> <div>≡</div> </div> <div>release country</div>
<div>9736</div> <div>unique values</div>	<div>Released100%</div> <div>Post Production0%</div> <div>Other (16)0%</div>	<div>English73%</div> <div>Japanese7%</div> <div>Other (2047)20%</div>			
Creed III	Released	English	75000000.0	271616668.0	AU
Avatar: The Way of Water	Released	English	460000000.0	2316794914.0	AU
The Super Mario Bros. Movie	Released	English	100000000.0	724459031.0	AU



Data Model

02

Entity Relationship Diagram



Individual Presentations

01

Queries and Visualization



Kaden Kapadia

Query 1

```
SELECT ROW_NUMBER() OVER (ORDER BY m.budget_x DESC, c.name)
AS row_number, m.names, m.budget_x, c.name AS country
FROM imdb_movies m
JOIN country c ON m.country_id = c.country_id
ORDER BY m.budget_x DESC, c.name
LIMIT 100;
```

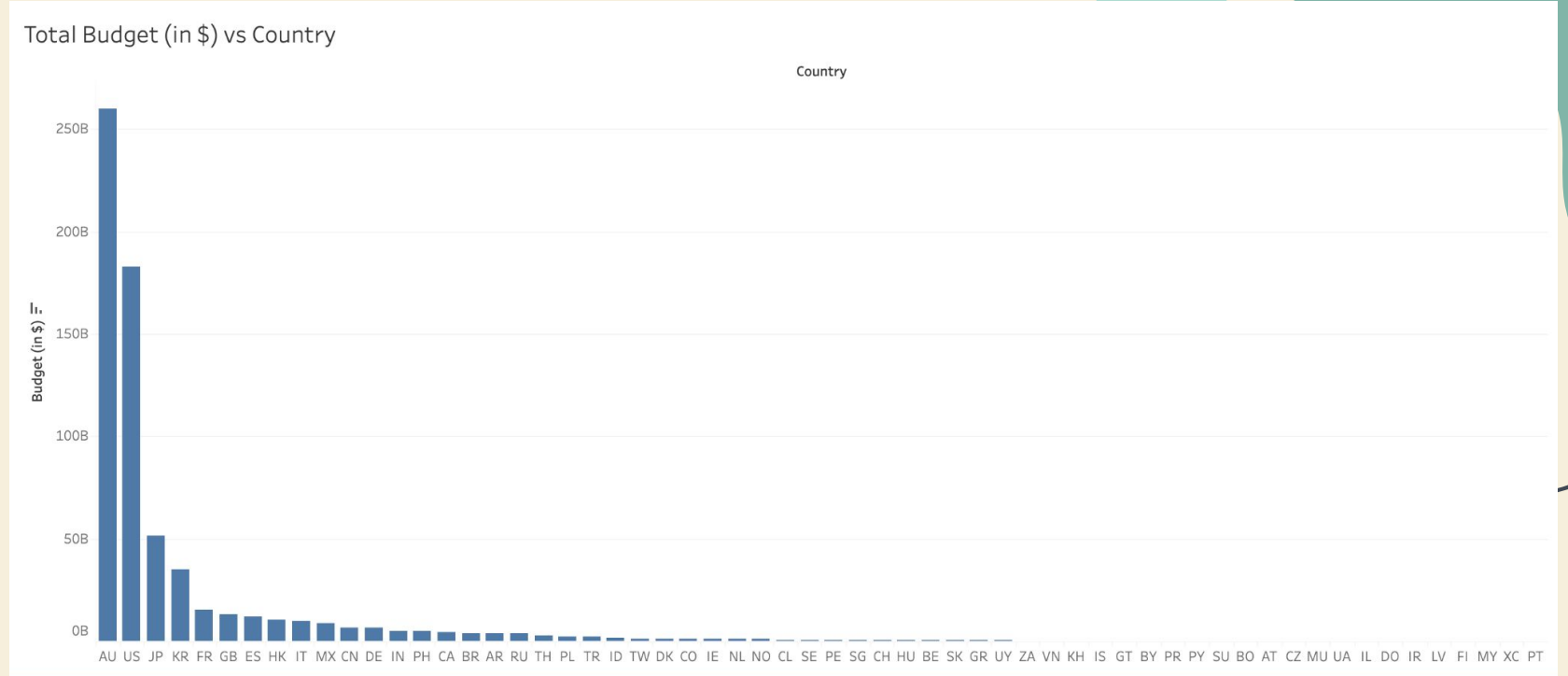
	row_number	names	budget_x	country
1	1	Liz and the Blue Bird	99800000.0	JP
2	2	Catherine Called Birdy	99800000.0	US
3	3	LEGO Marvel Super Heroes: Avengers Reassembled!	99800000.0	US
4	4	The Magic of Ordinary Days	99800000.0	US
5	5	Batman vs.Two-Face	99700000.0	US
6	6	One Day as a Lion	99600000.0	US
7	7	Three Steps Above Heaven	99600000.0	ES
8	8	Boy Missing	99600000.0	ES
9	9	Naruto to Boruto: The Live 2019	99600000.0	JP
10	10	Kuroko's Basketball - Movie: Winter Cup - Crossing the ...	99600000.0	JP

Query 2

```
SELECT ROW_NUMBER() OVER (ORDER BY m.score DESC)
AS row_number, m.names, m.score, g.name AS genre
FROM imdb_movies m
JOIN genre_id gi ON m.id = gi.movie_id
JOIN genre g ON gi.genres = g.genre_id
ORDER BY m.score DESC
LIMIT 100;
```

row_number	names	score	genre
1	Rebound	98.0	Drama
2	Directing Annabelle: Creation	93.0	Documentary
3	BTS: Permission to Dance on Stage - LA	92.0	Music
4	BTS: Permission to Dance on Stage - LA	92.0	Documentary
5	Louis Tomlinson: All of Those Voices	91.0	Documentary
6	Louis Tomlinson: All of Those Voices	91.0	Music
7	La Usurpadora, the Musical	90.0	Music
8	La Usurpadora, the Musical	90.0	Comedy
9	La Usurpadora, the Musical	90.0	Drama
10	Young Mother-in-Law	90.0	Romance

Visualization





Ben Donick

Query 1

Queries > ≡ action.sql

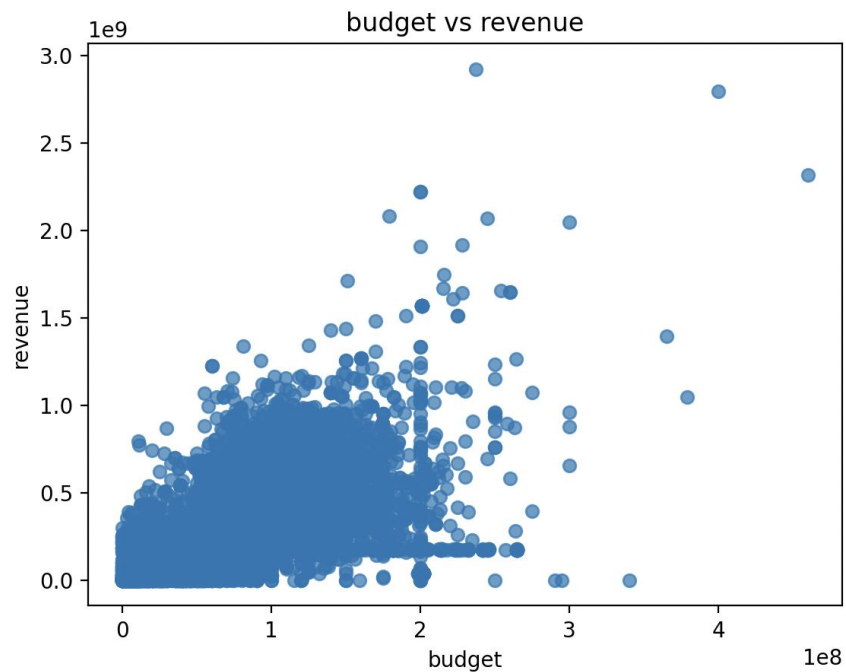
```
1  SELECT m.names
2  FROM imdb_movies m
3  JOIN genre_id gi ON m.id = gi.movie_id
4  JOIN genre g ON gi.genres = g.genre_id
5  WHERE g.name = "Action";
6  |
```

Query 2

Queries > ≡ Chris_Pratt.sql

```
1  SELECT m.names
2  FROM imdb_movies m
3  JOIN crew_id ci ON m.id = ci.movie_id
4  JOIN crew c ON ci.crews = c.crew_id
5  WHERE c.name = 'Chris Pratt';
6  |
```

Visualization





Caleb Lykken

Query 1

```
1 SELECT c.name AS actor , m.budget_x
2 FROM imdb_movies m
3 JOIN crew_id ci ON m.id = ci.movie_id
4 JOIN crew c ON ci.crews = c.crew_id
5 ORDER BY m.budget_x DESC LIMIT 1;
```

actor	budget_x
Bella Ramsey	99800000.0
Birdy	99800000.0
Billie Piper	99800000.0
Lady Aislinn	99800000.0
Andrew Scott	99800000.0
Lord Rollo	99800000.0
Lesley Sharp	99800000.0
Morwenna	99800000.0
Joe Alwyn	99800000.0
Uncle George	99800000.0

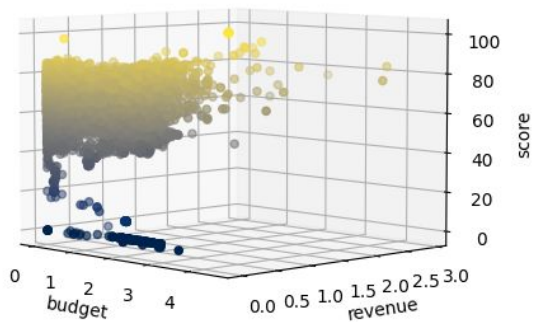
Query 2

```
SELECT ROW_NUMBER() OVER (ORDER BY m.revenue DESC, c.name)
AS row_number, m.names, m.revenue, c.name AS country
FROM imdb_movies m
JOIN country c ON m.country_id = c.country_id
ORDER BY m.revenue DESC, c.name
LIMIT 100;
```

row_number	names	revenue	country
1	Jiu Jitsu	99924.0	US
2	Insidious	99870886.0	AU
3	Thank You for Your Service	9985316.0	US
4	Chronicles of the Ghostly Tribe	99849421.0	CN
5	Hellboy	99823958.0	AU
6	Hellboy	99823958.0	AU
7	The Return of Jafar	99760551.2	AU
8	Sinner: The Secret Diary of a Nymphomaniac	997517367.8	FR
9	Yu Pui Tsuen III	997517367.8	HK
10	The Student	997517367.8	NL
11	A Matter of Faith	997517367.8	US
12	Cruel Intentions 2	997517367.8	US
13	Mad Max	99750000.0	AU
14	Macario	997431725.6	MX
15	The Rifleman of the Voroshilov Regiment	997071462.2	RU
16	Alpha	99624873.0	AU
17	Detective Conan: The Darkest Nightmare	9953934.0	JP
18	Street Fighter	99423000.0	AU
19	Sailor Moon S the Movie: Hearts in Ice	9940717.0	AU
20	Brazil	9934484.0	AU
21	Nacho Libre	99296462.0	AU
22	Portrait of a Lady on Fire	9923127.0	AU
23	Hitman	99135571.0	AU
24	Robot Overlords	991329.0	AU
25	Where the Wild Things Are	99123656.0	AU
26	Scooby-Doo! Shaggy's Showdown	990787923.6	AU
27	Instructions Not Included	99067206.0	MX

Visualization

budget vs revenue vs score





Arushi Agarwal

Query 1

```
1  SELECT imdb_movies.names, imdb_movies.score
2  FROM imdb_movies
3  JOIN Language ON imdb_movies.Language_id = Language.lang_id
4  WHERE Language.lang_id = 30
5  ORDER BY imdb_movies.score DESC;
```

```
...> ORDER BY imdb_movies.score DESC;
```

names	score
Dilwale Dulhania Le Jayenge	86.0
My Name Is Khan	81.0
3 Idiots	80.0
Like Stars on Earth	80.0
Dangal	80.0
Bhola	80.0
Kabhi Khushi Kabhie Gham	78.0
Andhadhun	76.0
Kuch Kuch Hota Hai	76.0
Chor Nikal Ke Bhaga	72.0
Kites	72.0
Dhamaka	71.0
Om Shanti Om	70.0
Ghajini	70.0
Bulbbul	68.0
Pathaan	67.0
Brahmāstra Part One: Shiva	67.0
Karan Arjun	67.0
Junglee	67.0
Looop Lapeta	62.0
Bang Bang!	62.0
Blood Money	61.0
Commando 2 – The Black Money Trail	60.0
Sooryavanshi	58.0
Faraaz	48.0

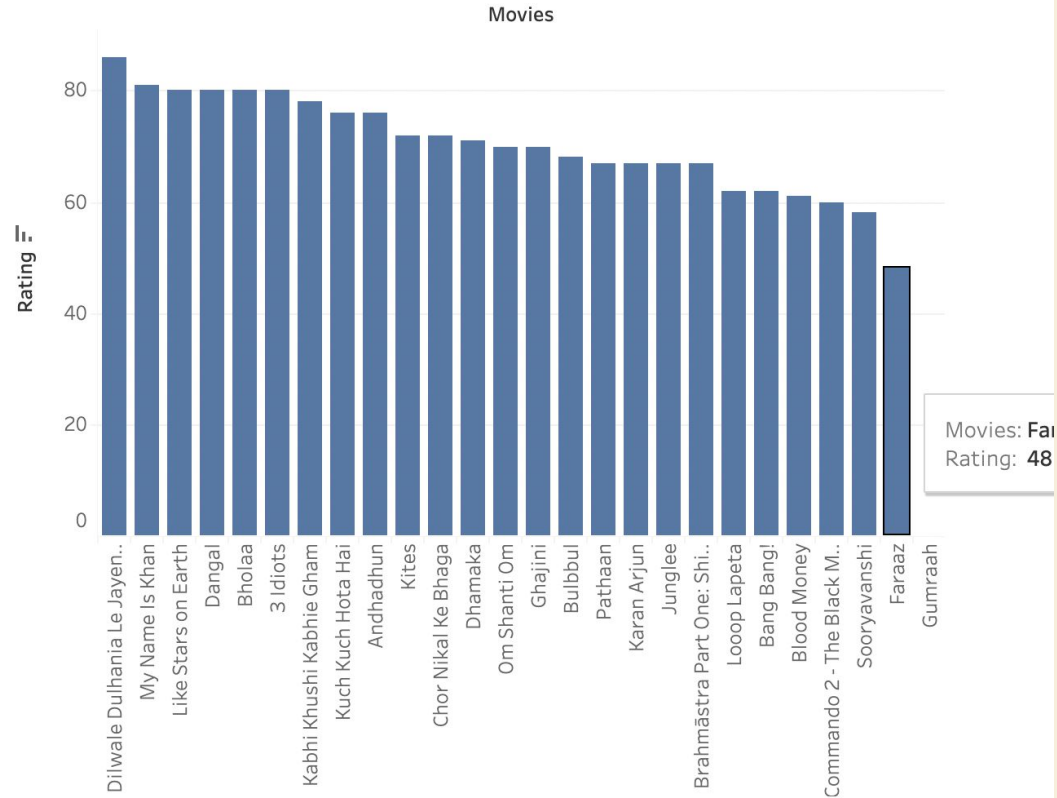
Query 2

names	date_x	revenue
Jiu Jitsu	11/20/2020	99924.0
Insidious	05/12/2011	99870886.0
Thank You for Your Service	10/27/2017	9985316.0
Chronicles of the Ghostly Tribe	09/30/2015	99849421.0
Hellboy	04/11/2019	99823958.0
Hellboy	08/19/2004	99823958.0
The Return of Jafar	02/13/1995	99760551.2
Sinner: The Secret Diary of a Nymphomaniac	06/21/1973	997517367.8
The Student	09/27/2015	997517367.8
Yu Pui Tsuen III	08/10/1996	997517367.8

```
> SELECT names, date_x, revenue  
> FROM imdb_movies  
> ORDER BY revenue DESC  
> LIMIT 10;
```

Visualization

Hindi Movies by Rating





**Theophila Abigail
Setiawan**

Query 1

```
SELECT imdb_movies.names, genre.name, imdb_movies.id, imdb_movies.date_x, imdb_movies.revenue, imdb_movies.score
FROM imdb_movies
JOIN genre_id ON imdb_movies.id = genre_id.movie_id
JOIN genre ON genre_id.genres = genre.genre_id
ORDER BY SUBSTR(imdb_movies.date_x, 7, 4)
```

	names	name	id	date_x	revenue	score
1	The Life and Passion of Jesus Christ	Drama	5 5 9	0 5 / 1 5 / 1 9 0 3	5 2 4 7 5 9 3 7 0 . 4	5 3 . 0
2	The Life and Passion of Jesus Christ	History	5 5 9	0 5 / 1 5 / 1 9 0 3	5 2 4 7 5 9 3 7 0 . 4	5 3 . 0
3	A Trip to the Moon	Adventure	7 4 2 9	0 5 / 2 0 / 1 9 0 7	3 9 9 5 2 4 7 2 . 4	3 0 . 0
4	A Trip to the Moon	Science Fiction	7 4 2 9	0 5 / 2 0 / 1 9 0 7	3 9 9 5 2 4 7 2 . 4	3 0 . 0
5	The Birth of a Nation	Drama	9 5 2 5	0 2 / 0 3 / 1 9 1 5	1 5 3 9 1 0 1 1 . 0	5 1 . 0
6	The Birth of a Nation	History	9 5 2 5	0 2 / 0 3 / 1 9 1 5	1 5 3 9 1 0 1 1 . 0	5 1 . 0
7	The Birth of a Nation	War	9 5 2 5	0 2 / 0 3 / 1 9 1 5	1 5 3 9 1 0 1 1 . 0	5 1 . 0
8	The Birth of a Nation	Drama	9 5 2 7	0 2 / 0 3 / 1 9 1 5	1 1 0 0 0 0 0 0 . 0	5 1 . 0

Query 2

```
SELECT imdb_movies.names, imdb_movies.date_x, imdb_movies.revenue, imdb_movies.score
FROM imdb_movies
ORDER BY imdb_movies.score DESC
```

	names	date_x	revenue	score
1	Rebound	0 4 / 0 5 / 2 0 2 3	1 7 4 9 2 0 1 4 . 0	9 3 . 0
2	Rathinirvedam	0 3 / 0 3 / 1 9 7 3	1 9 1 3 3 4 3 3 7 4 . 3	9 5 . 0
3	Directing Annabelle: Creation	0 3 / 0 7 / 2 0 1 7	1 3 4 4 2 3 5 1 3 4 . 4	9 3 . 0
4	BTS: Permission to Dance on Stage - LA	0 9 / 0 3 / 2 0 2 2	1 7 4 3 0 1 7 4 3 3 . 4	9 2 . 0
5	Louis Tomlinson: All of Those Voices	0 3 / 2 2 / 2 0 2 3	2 0 3 1 7 9 4 0 0 5 . 3	9 1 . 0
6	La Usurpadora, the Musical	1 2 / 3 1 / 2 0 2 3	1 3 5 3 2 3 0 4 3 2 . 4	9 0 . 0
7	Young Mother-in-Law	0 3 / 0 9 / 2 0 1 3	1 1 5 5 1 0 1 0 9 3 . 0	9 0 . 0
8	Oryu's Passion: Bondage Skin	0 3 / 1 3 / 1 9 7 5	1 3 1 0 2 9 1 2 0 4 . 3	9 0 . 0

Visualization

