

Executive Movie Business Intelligence Hub

Make Intelligent Business Decisions



Overview

Our web application empowers movie producers and executives to make informed decisions by leveraging data and tailored queries. It helps users validate hypotheses on factors like actors' past profitability, the best genres for each season, and other key business insights.

Application Functionality - General Layout

Executive Intelligence Hub

Find Film Revenue by
Word in Description

<parameter>

<parameter>

<parameter>

Search

Find Film Revenue by
Prefix in Title Words

Find Top Actors

Find Top Hiring
Directors

Find Optimal Release
Date

<Query Results>

Query 1

Executive Intelligence Hub

Find Film Revenue by
Word in Description

Enter Word in Films
Description

Average Vote Threshold

Search

Find Film Revenue by
Prefix in Title Words

Find Top Actors

Find Top Hiring
Directors

Find Optimal Release
Date

<Query Results>

Query 1

Input:

- Keyword to search in movies descriptions
- Minimum average votes rating from 1 - 10

Displays:

- All movies with the minimum number of votes that description have the search phrase along with their name, revenue, release date, average vote and description

Example: (star, 7.8)

Rogue One	856057720	2016-12-15	7.8	The daughter of an Imperial scientist joins the Rebel Alliance in a risky move to steal the plans for the Death Star.
The Artist	118432856	2011-12-09	7.9	An egomaniacal film star develops a relationship with a young dancer against the backdrop of the silent film era.
Nightcrawler	38898992	2014-11-13	7.9	When Louis Bloom, a con man desperate for work, muscled into the world of L.A. crime journalism, he discovered a way to make big money.

Query 2

Executive Intelligence Hub

Find Film Revenue by
Word in Description

Enter Prefix of a Word in
Films Title

Minimum Amount of Votes

Search

Find Film Revenue by
Prefix in Title Words

Find Top Actors

Find Top Hiring
Directors

Find Optimal Release
Date

<Query Results>

Query 2

Input:

- Keyword to search in movies title words prefixes
- Minimum Number of Votes

Displays:

- All movies with the minimum number of votes that title have a substring along with their name, revenue, release date, average vote, number of votes, description

Example: (star, 100000)

name	revenue	date_published	avg_vote	num_of_votes	description
Star Wars: Episode ...	1823224036	2015-12-16	7.9	845102	As a new threat to the galaxy rises, Rey, a desert scaveng
Star Wars: Episode ...	1015540187	2017-12-13	7.0	547797	Rey develops her newly discovered abilities with the guidar
Star Wars: Episode ...	912082707	1999-09-17	6.5	713119	Two Jedi escape a hostile blockade to find allies and come a
Star Wars: Episode ...	799144248	2019-12-18	6.6	347274	The surviving members of the resistance face the First Ord
Star Wars: Episode ...	755390560	2005-05-20	7.5	694239	Three years into the Clone Wars, the Jedi rescue Palpatine
Star Wars: Episode ...	538779970	2002-05-16	6.5	625761	Ten years after initially meeting, Anakin Skywalker shares a
A Star Is Born	400188866	2018-10-11	7.7	318520	A musician helps a young singer find fame as age and alcoh
The Fault in Our Stars	295166834	2014-09-04	7.7	337110	Two teenage cancer patients begin a life-affirming journey
Star Trek Into Dark...	277365246	2013-06-12	7.7	458568	After the crew of the Enterprise find an unstoppable force
Star Trek	235680446	2009-05-08	7.9	571847	The brash James T. Kirk tries to live up to his father's legac

Query 3

Executive Intelligence Hub

Find Film Revenue by
Word in Description

Film Name

Minimal Actor
Films

Amount of Top
Actors

Search

Find Film Revenue by
Prefix in Title Words

Find Top Actors

Find Top Hiring
Directors

Find Optimal Release
Date

<Query Results>

Query 3

Input:

- Film name
- Minimal number of films actors played in
- number of Top Actors wanted

Displays:

- Top actors by average film revenue across career, which played in a specific film, can set a minimal number of films played in to avoid unknown actors, and set the number of actors wanted, shows the Actors name, and average career films played at revenue. Ordered by average career revenue

Example(Guardians of the Galaxy Vol. 2, 1, 10):

name	average_movies_revenue
Karen Gillan	703049767.6000
Zoe Saldana	346063666.4615
Chris Pratt	282450357.8824
Vin Diesel	273609434.2174
Elizabeth Debicki	188049031.3333
Bradley Cooper	183932131.3846
Dave Bautista	155222772.1538
Kurt Russell	137101368.1538
Tommy Flanagan	110327852.4167
Michael Rooker	81763539.8696

(we can see the Karen Gillan films are very successful on average)

Query 4

Executive Intelligence Hub

Find Film Revenue by
Word in Description

Film Genre
Required

Minimal Directed
Movies

Number of Top
Directors

Search

Find Film Revenue by
Prefix in Title Words

Find Top Actors

Find Top Hiring
Directors

Find Optimal Release
Date

<Query Results>

Query 4

Input:

- Film genre to filter by
- Minimal number of Films directed
- Number of top directors wanted

Displays:

- Top hiring directors, by the average success of the actors they hired in their careers based on a specific genre, with threshold of minimal number of films directed and how many from the top wanted. Ordered by average actors hired by director average (two averages) revenue

Example (sport,10,10):

name	director_actors_average
Clint Eastwood	88571367.60038000
Antoine Fuqua	77700909.95910000
Ivan Reitman	73466958.42193333
Martin Scorsese	65434789.61399333
Ang Lee	62470586.36172667
Ethan Coen	59299984.37726000
Joel Coen	59299984.37726000
Oliver Stone	54408437.39074000
Tony Scott	51671263.47632333
Dennis Dugan	48441776.21465000

(Clint Eastwood is also a director)

Query 5

Executive Intelligence Hub

Find Film Revenue by
Word in Description

Start Date

End Date

Top Genres
Threshold

Search

Find Film Revenue by
Prefix in Title Words

Find Top Actors

Find Top Hiring
Directors

Find Optimal Release
Date

<Query Results>

Query 5

Input:

- Start and end dates to consider films in
- Maximum amount of top revenue genres

Displays:

- Displays the top genre in a specific date window along with the most popular movie in that category at that time. Ordered by genre average revenue at that time frame.

Example (2000-10-19, 2001-1-1, 5):

name	avg_genre_revenue	top_film
Fantasy	148766282.6667	How the Grinch Stole Christmas
Family	135803067.0000	How the Grinch Stole Christmas
Animation	119024988.3333	Chicken Run
Mystery	85442682.0000	Unbreakable
Sci-Fi	84469131.8333	X-Men



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