Recenzije filmova na IMDB platformi

LUKA ĆIRIĆ E2 18/2023

DOMEN

- Domen pripadnosti ove teme je filmska industrija, gde se za filmove ostavljaju ocene i recenzije i time se na osnovu velikog broja glasova ocenjuje film.
- Postoje razni parametri po kojima se film može oceniti, u ovom slučaju se uzima samo generalna ocena filma.

MOTIVACIJA

- Platforma sa informacijama o filmovima, ocenama i recenzijama nema dovoljni uvid u statistiku potrebnu korisniku da bi istinski znao o kakvom se filmu radi.
- Ovo rešenje će na neki način uvesti neke šire statistike i smernice za korisnike.

CILJEVI

- Aplikacija treba da nudi korisniku uvid u statistiku o filmu, ocenama i recenzijama
- Aplikacija treba da prihvata i nove podatke, obradi ih i nudi mogućnosti korisniku da ima uvid u nove podatke

PODACI ZA BATCH OBRADU

- Podaci o filmovima se nalaze u direktorijumu "1_movies_per_genre" gde su informacije postavljene u CSV datoteke sa imenom žanra kojem film pripada.
 U slučaju da film pripada više žanrova, film će se može ponoviti u svakoj datoteci pod imenom žanra kojem film pripada.
- Podaci o recenzijama za filmove se nalazi u direktorijumu "2_reviews_per_movie_raw", gde za svaki film postoji posebna CSV datoteka sastavljena u formatu "{ime filma} {godina kad je film objavljen}".
- Podaci na linku: https://ieee-dataport.org/open-access/imdb-movie-reviews-dataset



PODACI O FILMOVIMA

name	year	movie_rated	run_lengt	genres	release_date	rating	num_rate num_rev	views review_url
The Dark Knight	2008	8 PG-13	2h 32min	Action; Crime; Drama;	18 July 2008 (USA)	9	2224522	6836 https://www.imdb.com/title/tt0468569/reviews/
Inception	2010	0 PG-13	2h 28min	Action; Adventure; Sci-Fi;	16 July 2010 (USA)	8.8	3 1981675	3820 https://www.imdb.com/title/tt1375666/reviews/
The Matrix	1999	∮ R	2h 16min	Action; Sci-Fi;	31 March 1999 (USA)	8.7	7 1619761	4281 https://www.imdb.com/title/tt0133093/reviews/
The Lord of the Rings: The Fellowship of the Ring	2001	1 PG-13	2h 58min	Action; Adventure; Drama;	, 19 December 2001 (USA)	8.8	3 1609165	5365 https://www.imdb.com/title/tt0120737/reviews/
The Dark Knight Rises	2012	2 PG-13	2h 44min	Action; Adventure;	20 July 2012 (USA)	8.4	1470329	2979 https://www.imdb.com/title/tt1345836/reviews/
Gladiator	2000	J R	2h 35min	Action; Adventure; Drama;	, 5 May 2000 (USA)	8.5	1297718	2636 https://www.imdb.com/title/tt0172495/reviews/
Batman Begins	2005	5 PG-13	2h 20min	Action; Adventure;	15 June 2005 (USA)	8.2	1269027	2885 https://www.imdb.com/title/tt0372784/reviews/
The Avengers	2017	2 PG-13	2h 23min	Action; Adventure; Sci-Fi;	4 May 2012 (USA)	8	1236048	1929 https://www.imdb.com/title/tt0848228/reviews/
Star Wars: Episode IV - A New Hope	1977	/ PG	2h 1min	Action; Adventure; Fantasy	25 May 1977 (USA)	8.6	5 1197 <mark>13</mark> 2	1834 https://www.imdb.com/title/tt0076759/reviews/
Star Wars: Episode V - The Empire Strikes Back	1980	J PG	2h 4min	Action; Adventure; Fantasy	/ 20 June 1980 (USA)	8.7	7 1124834	1214 https://www.imdb.com/title/tt0080684/reviews/
Avatar	2009	9 PG-13	2h 42min	Action; Adventure; Fantasy	18 December 2009 (USA)	7.8	3 1096125	3415 https://www.imdb.com/title/tt0499549/reviews/
Guardians of the Galaxy	2014	4 PG-13	2h 1min	Action; Adventure; Comed	1 August 2014 (USA)	8	3 1017405	1390 https://www.imdb.com/title/tt2015381/reviews/
V for Vendetta	2005	R	2h 12min	Action; Drama; Sci-Fi;	17 March 2006 (USA)	8.2	1002944	2205 https://www.imdb.com/title/tt0434409/reviews/
Lé on: The Professional	1994	4 R	1h 50min	Action; Crime; Drama;	18 November 1994 (USA)	8.5	999596	1193 https://www.imdb.com/title/tt0110413/reviews/
Pirates of the Caribbean: The Curse of the Black Pearl	2003	3 PG-13	2h 23min	Action; Adventure; Fantasy	9 July 2003 (USA)	8	997264	2186 https://www.imdb.com/title/tt0325980/reviews/
Kill Bill: Vol. 1	2003	3 R	1h 51min	Action; Crime; Thriller;	10 October 2003 (USA)	8.1	970439	2272 https://www.imdb.com/title/tt0266697/reviews/
Terminator 2: Judgment Day	1991	∠ R	2h 17min	Action; Sci-Fi;	3 July 1991 (USA)	8.5	968504	1269 https://www.imdb.com/title/tt0103064/reviews/
Star Wars: Episode VI - Return of the Jedi	1983	3 PG	2h 11min	Action; Adventure; Fantasy	y 25 May 1983 (USA)	8.3	922278	828 https://www.imdb.com/title/tt0086190/reviews/
Iron Man	2008	8 PG-13	2h 6min	Action; Adventure; Sci-Fi;	2 May 2008 (USA)	7.9	915640	1319 https://www.imdb.com/title/tt0371746/reviews/
Deadpool	2016	۶ R	1h 48min	Action; Adventure; Comed	12 February 2016 (USA)	8	876091	1440 https://www.imdb.com/title/tt1431045/reviews/
Raiders of the Lost Ark	1981	1 PG	1h 55min	Action; Adventure;	12 June 1981 (USA)	8.4	859523	931 https://www.imdb.com/title/tt0082971/reviews/
Mad Max: Fury Road	2015	R ز	2h	Action; Adventure; Sci-Fi;	15 May 2015 (USA)	8.1	848011	1990 https://www.imdb.com/title/tt1392190/reviews/

PODACIO FILMOVIMA (POLJA)

- name ime filma
- year godina kada je film izašao
- movie_rated Za koji uzrast je film namenjen (R,PG,PG-13...)
- run_length Trajanje filma (format: Xh [Xmin])
- release_date Datum izlaska filma i u kojoj državi
- genres žanrovi kojima pripada film odvojeni ;
- rating ocena na osnovu ocena koje postoje (nema podatak o svim ocenama)
- num_raters broj ljudi koji su ostavili ocenu
- num_reviews broj ljudi koji su ostavili recenzije
- review_url link do samih recenzija

PODACI O RECENZIJAMA

username	rating	helpful	total	date	title	review				
adrien_ngoc_1701	10	109	118	01-Mar-19	A one-of-	- My 3rd				
clipturnity	9	1765	2069	22-Aug-10	Matrix	I'd like to keep my review rather to the point. Pros: 1. its theme - dream is a fascinating topic to say the				
naman-avastol	10	2008	2860	10-Jul-10	Insanely	What is the most resilient parasite? An Idea! Yes, Nolan has created something with his unbelievably, incredibly a				
siddhantadlakha	10	1008	1526	15-Jul-10		om Cobb leads a highly skilled team, specializing in stealing secrets from people's minds by entering their dream				
hitchcockthelegend	9	85	120	07-Apr-11	This is	Inception is written, produced, and directed by Christopher Nolan. The film stars Leonardo DiCaprio, Ken Watanal				
D_Burke	10	1242	1961	13-Jul-10	In a	Films about dreams and the subconscious are usually not very straightforward and almost always weird. "Inceptio				
drakula2005	10	1199	1918	09-Jul-10		I saw Memento very recently, something that turned out to be a great miss. I saw it again, just to make a couple of				
marcusdean118	10	825	1319	13-Jul-10	Nolan at	Inception is truly one of a kind. A concept which has long gestated in Christopher Nolan's mind, his eye for drama				
technofunkie	10	1494	2441	12-Jul-10	Nolan's	Usually I try to be careful with over hyping a film, or setting the expectations too high, as film geeks all are guilty 1				
howemonika	10	738	1192	12-Jul-10	Amazing	I had the privilege of seeing this movie before it came out, and, like most of DiCaprio's films, it blew me away. <br< td=""></br<>				
chaaa	10	726	1185	12-Jul-10	The	What do we ask for in a summer blockbuster? What is it that incites hysteria this time every year for whatever dro				
dvc5159	8	898	1473	15-Jul-10	Sci-fi	I'm nearly at a loss for words. Just when you thought Christopher Nolan couldn't follow up to "The Dark Knight", h				
spaaw	10	516	879	17-Jul-10		Many of us, not least those who populate the online world with movie reviews, observations and criticisms, are a				
Carl_Tait	5	349	603	25-Jul-10	Good	The central idea of "Inception" is an interesting one: technology exists to enter other people's dreams in order to				
dario_van_kuschn	6	488	853	20-Jul-10		I cannot ignore facts. I cannot ignore mistakes and plot holes, bad writing, or bad marketing. I cannot ignore hype,				
murtaza_mma	9	148	249	26-Jul-10	A	Surrealism can appear to be ineffably bizarre, or inquisitively titillating, depending purely on the viewer's intelled				
Egg_MacGuffin	3	515	956	19-Jul-10	You are	Unless you call this movie a masterpiece. Then you are. br/>Damn 1,000 word limit. Gotta make this quick. <				
seabrapalma	2	402	744	24-Aug-10		I will try not to repeat some of what others have so brilliantly written in some reviews. I just add this in order to o				
RIK-22	1	582	1093	26-Jul-10	Insipid	I have to say to make such an impressive trailer and such an uninteresting film, takes some doing. br/>Here				
mach1ne	4	330	612	20-Jul-10	Boring,	This film really let me down. I didn't expect a great film but I expected something that was at least 'OK'.				

PODACIO RECENZIJAMA (POLJA)

- username korisničko ime korisnika koji je uneo recenziju
- rating ocena koju je korisnik ostavio uz recenziju
- helpful broj ljudi koji je označio da je recenzija od pomoci
- total broj ukupnih oznaka za recenziju da li bila od pomoći ili ne
- date datum kada je uneta recenzija
- title naslov recenzije
- review tekst recenzije

PRIMER PITANJA ZA BATCH OBRADU

- 1. Koliko filmova je izašlo X godine i koja je prosečna ocena za te filmove?
- Prosečne ocene filmova po žanrovima?
- 3. Prosečno trajanje filmova po žanrovima?
- 4. Najduži i najkraći filmovi?
- 5. Lista filmova koja podleze kriterijumu (žanr, trajanje, ocena)
- 6. Recenzije >= ocene X za film
- 7. Sve recenzije korisnika sa username X
- 8. Prosečna dužina teksta recenzije za filmove
- Medijana ocena recenzija za filmove
- Statistika recenzija po žanrovima filmova

PODACI ZA STREAMING OBRADU

- Podaci sadrže spisak filmova i ostavljenih ocena za filmove
- Podaci na linku:
 https://www.kaggle.com/datasets/rounakbanik/the-movies-dataset/
- Podaci iz početnog izvora su malo sređeni u smislu da bude skup istih filmova zbog mogućnosti spajanja

PRIMER PODATAKA ZA STREAMING OBRADU

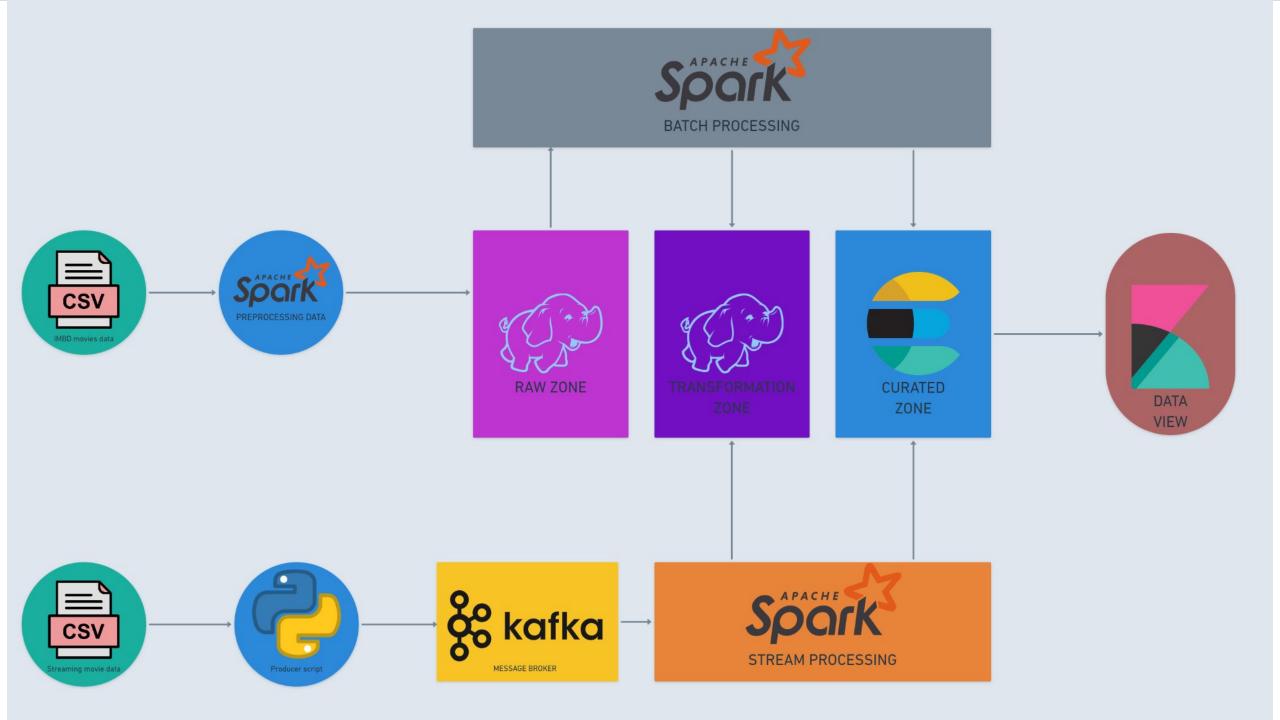
id	imdb_id	budget	genres original_lang	uag original_title	popularity	production_companies	release_date	revenue	runtime	vote_average	vote_count
862	tt0114709	30000000	[{'id': 16, 'name': 'Animatior en	Toy Story	21.946943	[{'name': 'Pixar Animation Studios	1995-10-30	373554033	81	7.7	5415
949	tt0113277	60000000	[{'id': 28, 'name': 'Action'}, { en	Heat	17.924927	[{'name': 'Regency Enterprises', 'i	1995-12-15	187436818	170	7.7	1886
524	tt0112641	52000000	[{'id': 18, 'name': 'Drama'}, en	Casino	10.137389	[{'name': 'Universal Pictures', 'id':	1995-11-22	116112375	178	7.8	1343
807	tt0114369	33000000	[{'id': 80, 'name': 'Crime'}, {' en	Se7en	18.45743	[{'name': 'New Line Cinema', 'id':	1995-09-22	327311859	127	8.1	5915
10530	tt0114148	55000000	[{'id': 12, 'name': 'Adventure en	Pocahontas	13.280069	[{'name': 'Walt Disney Pictures', 'i	1995-06-14	346079773	81	6.7	1509
629	tt0114814	6000000	[{'id': 18, 'name': 'Drama'}, en	The Usual Susp	16.302466	[{'name': 'Blue Parrot Productions	1995-07-19	23341568	106	8.1	3334
2054	tt0113862	0	[{'id': 10402, 'name': 'Music en	Mr. Holland's O	p 7.137117	[{'name': 'Hollywood Pictures', 'id'	1995-12-29	106269971	137	6.9	115
755	tt0116367	19000000	[{'id': 27, 'name': 'Horror'}, { en	From Dusk Till I	15.339153	[{'name': 'A Band Apart', 'id': 59},	1996-01-19	25836616	108	6.9	1644
9614	tt0116483	12000000	[{'id': 35, 'name': 'Comedy'} en	Happy Gilmore	9.592265	[{'name': 'Universal Pictures', 'id':	1996-02-16	41205099	92	6.5	767
197	tt0112573	72000000	[{'id': 28, 'name': 'Action'}, { en	Braveheart	20.755149	[{'name': 'Icon Entertainment Inte	1995-05-24	210000000	177	7.7	3404
103	tt0075314	1300000	[{'id': 80, 'name': 'Crime'}, {' en	Taxi Driver	14.092713	[{'name': 'Columbia Pictures Corp	1976-02-07	28262574	114	8.1	2632
568	tt0112384	52000000	[{'id': 18, 'name': 'Drama'}] en	Apollo 13	18.761467	[{'name': 'Imagine Entertainment'	1995-06-30	355237933	140	7.3	1637
76	tt0112471	2500000	[{'id': 18, 'name': 'Drama'}, en	Before Sunrise	11.304979	[{'name': 'Detour Film Production'	1995-01-27	5535405	105	7.7	984
8467	tt0109686	16000000	[{'id': 35, 'name': 'Comedy'} en	Dumb and Dum	9.844558	[{'name': 'New Line Cinema', 'id':	1994-12-16	247275374	107	6.5	1894

PRIMER PODATAKA ZA STREAMING OBRADU

user_id	movie_id	rating	timestamp
2	25	3	867039168
2	58	3	867039325
2	141	3	867039168
2	377	4	867041121
2	605	4	867039973
2	762	3	867039325
3	500	2	1048076945
4	1422	4	1042674861
4	1597	3	1042674787
4	1911	4	1042668589
5	296	4	949424343
7	6934	2	1486253729
8	585	2	1013443939
8	968	4	1013444101

PRIMER PITANJA ZA STREAMING OBRADU

- Da li je veliko odstupanje ocene veliko od trenutne prosečne ocene? (spajanje sa batch)
- 2. Prosek ocena za svakog korisnika.
- Broj ocena za svaki film u poslednjih minut i prosečna ocena svih tih ocena.
- Prosečna ocena svih kategorija.
- Top 5 filmova sa najviše procenata zarade (najbolji odnos budget revenue)



HVALA NA PAŽNJI!