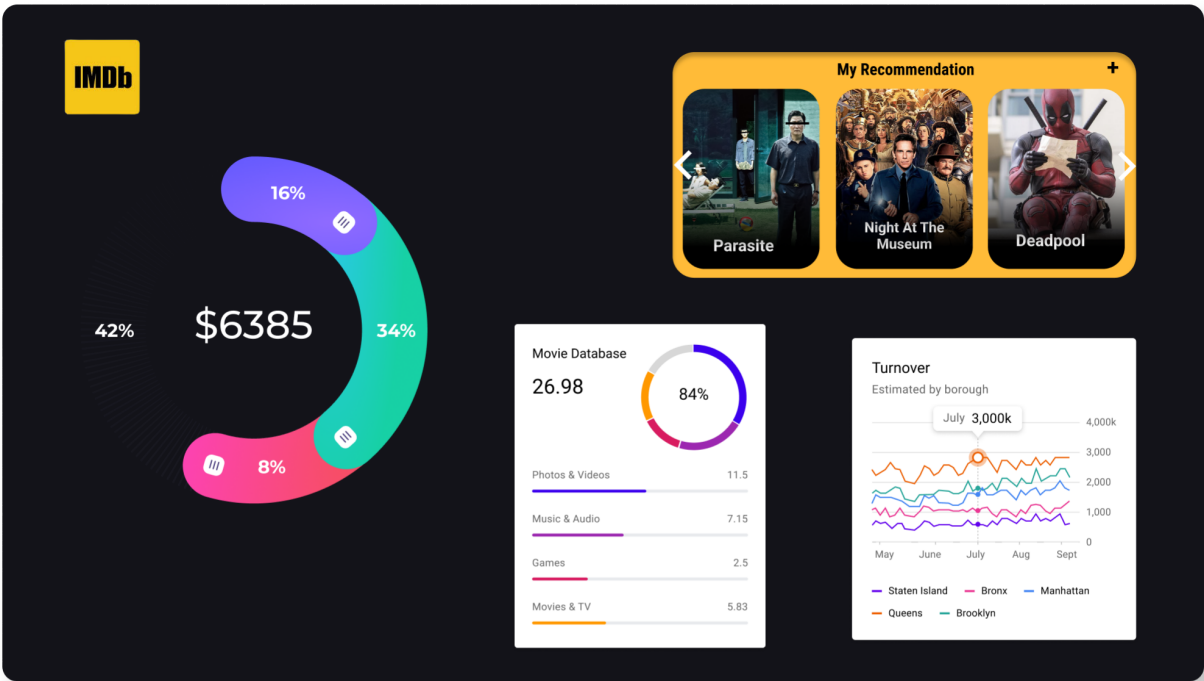


IMDB Movie Analysis



By Aayushi Singh

Project Description

You have a dataset having various columns of different IMDB Movies. Frame the problem. For this task, you will need to define a problem you want to shed some light on.

Approach

We analysis the given data by first cleaning the data then according to the give problem statement we ask questions by “5 whys” it is called root cause analysis

Tech Stack Used

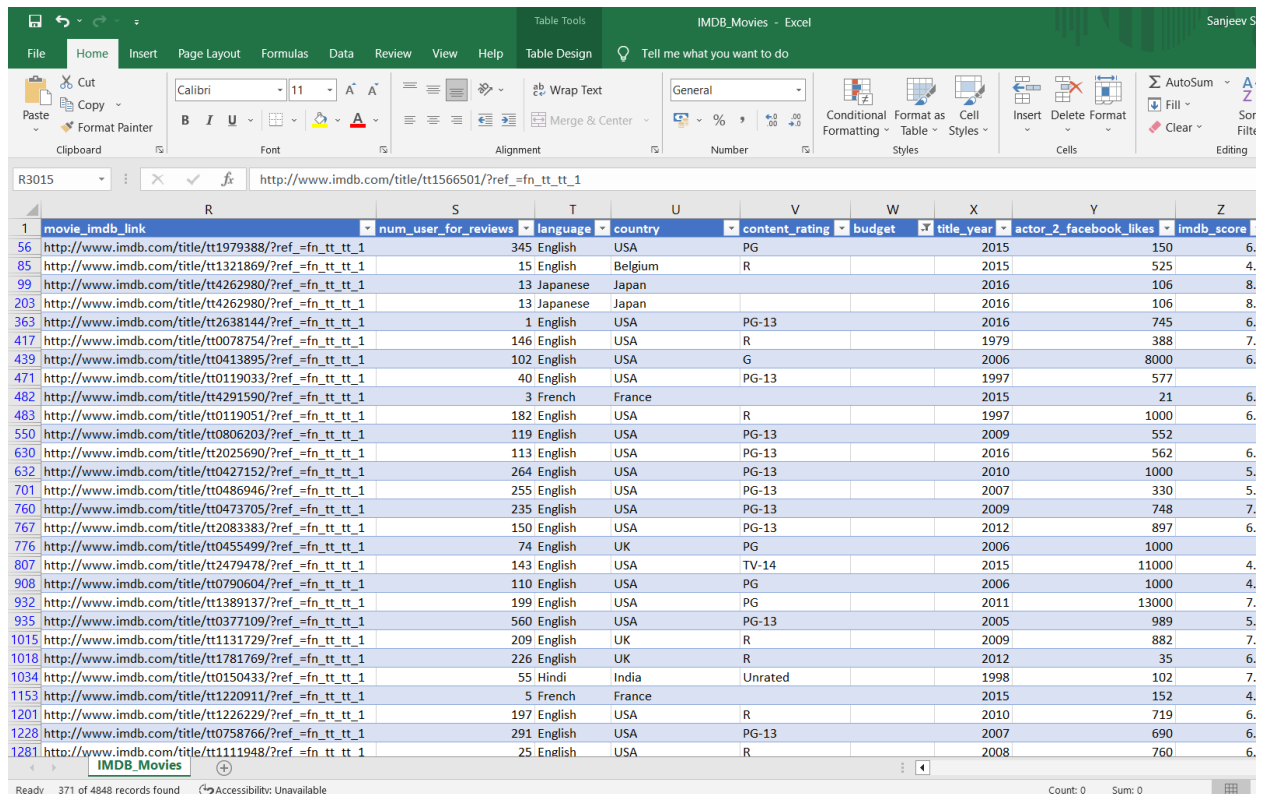
Ms excel
Google Docs
Google Sheets

Results and Insights

1. **Cleaning the data::** PThis is one of the most important step to perform before moving forward with the analysis. Use your knowledge learned till now to do this. (Dropping columns, removing null values, etc.)

Your task: Clean the data

Insights: You clean the data by clearing out the blanks



	R	S	T	U	V	W	X	Y	Z
1	movie_imdb_link	num_user_for_reviews	language	country	content_rating	budget	title_year	actor_2_facebook_likes	imdb_score
56	http://www.imdb.com/title/tt1979388/?ref_=fn_tt_tt_1	345	English	USA	PG		2015	150	6.
85	http://www.imdb.com/title/tt1321869/?ref_=fn_tt_tt_1	15	English	Belgium	R		2015	525	4.
99	http://www.imdb.com/title/tt4262980/?ref_=fn_tt_tt_1	13	Japanese	Japan			2016	106	8.
203	http://www.imdb.com/title/tt4262980/?ref_=fn_tt_tt_1	13	Japanese	Japan			2016	106	8.
363	http://www.imdb.com/title/tt2638144/?ref_=fn_tt_tt_1	1	English	USA	PG-13		2016	745	6.
417	http://www.imdb.com/title/tt0078754/?ref_=fn_tt_tt_1	146	English	USA	R		1979	388	7.
439	http://www.imdb.com/title/tt0413895/?ref_=fn_tt_tt_1	102	English	USA	G		2006	8000	6.
471	http://www.imdb.com/title/tt0119033/?ref_=fn_tt_tt_1	40	English	USA	PG-13		1997	577	
482	http://www.imdb.com/title/tt4291590/?ref_=fn_tt_tt_1	3	French	France			2015	21	6.
483	http://www.imdb.com/title/tt0119051/?ref_=fn_tt_tt_1	182	English	USA	R		1997	1000	6.
550	http://www.imdb.com/title/tt0806203/?ref_=fn_tt_tt_1	119	English	USA	PG-13		2009	552	
630	http://www.imdb.com/title/tt0205690/?ref_=fn_tt_tt_1	113	English	USA	PG-13		2016	562	6.
632	http://www.imdb.com/title/tt0427152/?ref_=fn_tt_tt_1	264	English	USA	PG-13		2010	1000	5.
701	http://www.imdb.com/title/tt0486946/?ref_=fn_tt_tt_1	255	English	USA	PG-13		2007	330	5.
760	http://www.imdb.com/title/tt0473705/?ref_=fn_tt_tt_1	235	English	USA	PG-13		2009	748	7.
767	http://www.imdb.com/title/tt2083383/?ref_=fn_tt_tt_1	150	English	USA	PG-13		2012	897	6.
776	http://www.imdb.com/title/tt0455499/?ref_=fn_tt_tt_1	74	English	UK	PG		2006	1000	
807	http://www.imdb.com/title/tt2479478/?ref_=fn_tt_tt_1	143	English	USA	TV-14		2015	11000	4.
908	http://www.imdb.com/title/tt0790604/?ref_=fn_tt_tt_1	110	English	USA	PG		2006	1000	4.
932	http://www.imdb.com/title/tt1389137/?ref_=fn_tt_tt_1	199	English	USA	PG		2011	13000	7.
935	http://www.imdb.com/title/tt0377109/?ref_=fn_tt_tt_1	560	English	USA	PG-13		2005	989	5.
1015	http://www.imdb.com/title/tt1131729/?ref_=fn_tt_tt_1	209	English	UK	R		2009	882	7.
1018	http://www.imdb.com/title/tt1781769/?ref_=fn_tt_tt_1	226	English	UK	R		2012	35	6.
1034	http://www.imdb.com/title/tt0150433/?ref_=fn_tt_tt_1	55	Hindi	India	Unrated		1998	102	7.
1153	http://www.imdb.com/title/tt1220911/?ref_=fn_tt_tt_1	5	French	France			2015	152	4.
1201	http://www.imdb.com/title/tt1226229/?ref_=fn_tt_tt_1	197	English	USA	R		2010	719	6.
1228	http://www.imdb.com/title/tt0758766/?ref_=fn_tt_tt_1	291	English	USA	PG-13		2007	690	6.
1281	http://www.imdb.com/title/tt1111948/?ref_=fn_tt_tt_1	25	Enelish	USA	R		2008	760	6.

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IMDB_Movies - Excel									
deception imprisonment lawlessness police officer terrorist plot									
1	color	director_name	num_critic_for_reviews	duration	director_facebook_likes	actor_3_facebook_likes	actor_2_name	actor_1_facebook_likes	3
6		Doug Walker			131		Rob Walker	131	Documentary
281		Christopher Barnard		22	0			5	Comedy
461			95	54		0	Royce Johnson	577	Action Action
1950		Lasse Hallström	162	108	529	690	Henry Thomas	17000	80014842 Drama Romance
2017		Mario Van Peebles	7	100	535	399	Mario Van Peebles	668	Action Thriller
2461			14	60		405	Dylan Walsh	654	Drama Mystery
2755		Tung-Shing Yee	53	119	3	19	Daniel Wu	556	Action Crime
3274		David Hackl	48	94	43	129	Michaela McManus	826	Action Horror
3541		Richard Rich	2	45	24	29	Kate Higgins	122	Action Adventure
3640		Wayne Wang	56	104	61	451	Russell Wong	974	1346503 Drama History
3658		Charles Matthau	13	90	139	1000	Michael Jai White	2000	Comedy Horror
4140		Darin Scott	7	95	39	375	Shantel VanSanten	1000	Drama Horror
4217		Zackary Adler	10	110	0	109	Kevin Leslie	490	Crime Drama
4333		Jonas Åkerlund	33	96	68	722	Saffron Burrows	2000	Comedy Horror
4411		John Stockwell	2	90	134	354	T.J. Storm	260000	Action
4443		Dave Rodriguez	9	98	11	636	Michael Rapaport	979	Comedy Horror
4632		Jonathan Meyers	1	111	0	426	Luke Perry	657	Drama
4848		Pece Dingo	1	94	0	87	Wilhelm von Homburg	156	Horror
5022		Brandon Landers		143	8	8	Alana Kaniewski	720	Drama Horror

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IMDB_Movies - Excel									
http://www.imdb.com/title/tt0463872/?ref=fn_tt_tt_1									
1	movie_imdb_link	num_user_for_reviews	language	country	content_rating	budget	title_year	actor_2_facebook_likes	imdb_score
236	http://www.imdb.com/title/tt0463872/?ref=fn_tt_tt_1	36	French	France		78000000	2008		276
778	http://www.imdb.com/title/tt4591310/?ref=fn_tt_tt_1	9	English	China		68005000	2016		107
997	http://www.imdb.com/title/tt0473553/?ref=fn_tt_tt_1	32	English	USA		1500000	2006		555
1271	http://www.imdb.com/title/tt2631186/?ref=fn_tt_tt_1	410	Telugu	India		18026148	2015		133
1457	http://www.imdb.com/title/tt3148834/?ref=fn_tt_tt_1	16	English	Belgium		34000000	2013		15
1647	http://www.imdb.com/title/tt2095649/?ref=fn_tt_tt_1	62	English	Switzerland		30000000	2014		903
1707	http://www.imdb.com/title/tt0395119/?ref=fn_tt_tt_1	84	Spanish	Spain		24000000	2006		1000
1742	http://www.imdb.com/title/tt0475331/?ref=fn_tt_tt_1	19	English	France		27000000	2006		4
1788	http://www.imdb.com/title/tt1224378/?ref=fn_tt_tt_1	18	Russian	Russia		26000000	2014		65
1878	http://www.imdb.com/title/tt1986843/?ref=fn_tt_tt_1	11	French	France		17000000	2012		20
1911	http://www.imdb.com/title/tt2952602/?ref=fn_tt_tt_1	26	Cantonese	China		25000000	2014		68
1970	http://www.imdb.com/title/tt1403130/?ref=fn_tt_tt_1	33	Mandarin	China		23000000	2009		155
2214	http://www.imdb.com/title/tt0120882/?ref=fn_tt_tt_1	16	French	France		140000000	1998		56
2409	http://www.imdb.com/title/tt0837106/?ref=fn_tt_tt_1	54	Swedish	Sweden		25000000	2007		690
2432	http://www.imdb.com/title/tt1064932/?ref=fn_tt_tt_1	49	French	France		11000000	2008		55
2816	http://www.imdb.com/title/tt0107474/?ref=fn_tt_tt_1	40	Japanese	Japan		11900000	1993		6
2818	http://www.imdb.com/title/tt3682770/?ref=fn_tt_tt_1	6	Chinese	China		12000000	2015		27
2875	http://www.imdb.com/title/tt3547740/?ref=fn_tt_tt_1	27	French	France		11000000	2014		29
2999	http://www.imdb.com/title/tt0120018/?ref=fn_tt_tt_1	21	French	France		60000000	1997		541
3019	http://www.imdb.com/title/tt3074732/?ref=fn_tt_tt_1	7	Icelandic	Iceland		10000000	2013		10
3025	http://www.imdb.com/title/tt1376195/?ref=fn_tt_tt_1	27	English	Canada		10000000	2010		716
3086	http://www.imdb.com/title/tt0387596/?ref=fn_tt_tt_1	17	Korean	South Korea		8000000	2003		15
3094	http://www.imdb.com/title/tt0493264/?ref=fn_tt_tt_1	159	Arabic	Turkey		8300000	2006		197
3162	http://www.imdb.com/title/tt2936180/?ref=fn_tt_tt_1	19	French	France		7700000	2014		154
3176	http://www.imdb.com/title/tt1063669/?ref=fn_tt_tt_1	96	German	Germany		5000000	2008		150
3220	http://www.imdb.com/title/tt0420332/?ref=fn_tt_tt_1	119	Hindi	India		7000000	2004		860
3241	http://www.imdb.com/title/tt3469440/?ref=fn_tt_tt_1	1	Cantonese	Hong Kong		7000000	2014		82
3246	http://www.imdb.com/title/tt4412528/?ref=fn_tt_tt_1	6	English	Canada		8700000	2016		147

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IMDB_Movies - Excel									
Tell me what you want to do									
Table Design									
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http://www.imdb.com/title/tt1566501/?ref_=fn_tt_tt_1									
	R	S	T	U	V	W	X	Y	
1	movie_imdb_link	num_user_for_reviews	language	country	content_rating	budget	title_year	actor_2_facebo	
3910	http://www.imdb.com/title/tt2073661/?ref_=fn_tt_tt_1	13	English			3500000	2014		
4850									
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1	color	director_name	num_critic_for_reviews	duration	director_facebook_likes	actor_3_facebook_likes	actor_2_name	actor_1_facebook_likes	3	genres
178	Color		21	60		184 Philip Michael Thomas		982		Action Crime D
261	Color		29	60		432 Dirk Benedict		669		Action Adventu
404	Color		103	44		148 Scott Thompson		544		Crime Drama H
478	Black and White		31	25		474 Agnes Moorehead		1000		Comedy Family
536	Color		12	43		218 Matt Ryan		1000		Drama Fantasy
542	Color		12	45		0 Brent Sexton		374		Crime Drama A
592	Color		39	45		160 Katia Winter		898		Adventure Dran
644	Color		4	30		359 Kaitlyn Dever		995		Comedy
684	Color		14	60		575 James Nesbitt		1000		Crime Drama A
756	Color		8	22		402 Oliver Hudson		732		Comedy Romar
815	Color		20	22		271 Soleil Moon Frye		870		Comedy Family
825	Color		46	30		479 Kristin Davis		962		Comedy Romar
832	Color		26	22		676 Noureen DeWulf		883		Comedy Romar
856	Color		77	44		72 Don S. Davis		847		Action Adventu
961	Color		2	45		132 Gemma Jones		416		Crime Drama
993	Color		14	105		5 Bruce Alexander		325		Crime Drama A
1006	Color		4	60		398 Brittany Curran		629		Drama Mystery
1022	Color		28	43		600 Tony Curran		3000		Action Drama !
1034	Color		30	64		184 Graham McTavish		1000		Drama Romanc
1132	Color		23	52		114 Clotilde Hesme		164		Drama Fantasy
1174	Black and White		4	30		253 Gavin MacLeod		870		Comedy War
1264	Color		3	30		12 Melissa Altro		51		Animation Com
1345	Color		22	60		501 Wayne Knight		23000		Comedy Family
1403	Color		5	43		452 Aimee Garcia		778		Action Comedy
1443	Color		3	60		628 Kimberly Elise		897		Drama Romanc
1498	Color		51	60		256 Indira Varma		2000		Crime Drama A
1619	Color		51	44		690 Aimee Teegarden		971		Drama Sport
1658	Color		9	60		468 Joan Allen		971		Drama Msterv

Blanks in director name

	A	B	C	D	E	F	G	H	
1	color	director_name	num_critic_for_reviews	duration	director_facebook_likes	actor_3_facebook_likes	actor_2_name	actor_1_facebook	
199	Color	Matt Birch		1		0	159 Dave Legeno		
206	Color	Matt Birch		4		0	1000 Toby Jones		
3723	Color	Marc Bennett		2		3	723 Natasha Henstridge		
3741	Color	Shekar		1		0	0 Diganth		
4185	Color	Kundan Shah		1		4	72 Bobby Deol		
4272	Color	David M. Matthews		5		8	394 Lamman Rucker		
4277	Color	Romesh Sharma		4		0	45 Revathy		
4479	Color	Wajahat Rauf		6		3	4 Ayesha Omar		
4556	Color	Joseph Kosinski		4		364	567 Lauren Cohan		
4881									
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	K	L	M	N	O	P
	actor_1_name	movie_title	num_voted_users	cast_total_facebook_likes	actor_3_name	facenumber_in_poster
97	Aidan Turner	The Hobbit: An Unexpected Journey	637246	9152 James Nesbitt		drago
241	Stephen Amell	Teenage Mutant Ninja Turtles: Out of the Shadows	17533	8306 Brad Garrett		based
2707	Jacob Vargas	Heaven Is for Real	21034	663 Rob Moran		based
3246	Ocean James	The Visit	65299	1010 Olivia DeJonge		farm
3265	Alex Kendrick	Moms' Night Out	10483	2705 Patricia Heaton		blogg
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	A	B	C	D	E	F	G	H	I
	color	director_name	num_critic_for_reviews	duration	director_facebook_likes	actor_3_facebook_likes	actor_2_name	actor_1_facebook_likes	gross
418	Color	George A. Romero	127	130	0	602 Hal Holbrook		875	Comedy Fantas
649	Color	John Milius	97	114	468	919 Jennifer Grey		1000	Action Drama
851	Black and White	Stanley Kubrick	103	152	0	177 Shelley Winters		617	Crime Drama F
852	Color	Jim Gillespie	66	96	13	534 Tom Berenger		13000	Crime Horror
1009	Color	Ted Kotcheff	145	93	270	535 Brian Dennehy		13000	Action Adventu
1010	Black and White	Andrei Tarkovsky	144	115	0	12 Anatoliy Solonitsyn		29	Drama Myster
1021	Color	Terence Young	10	140	92	522 Ben Gazzara		1000	Drama History
1048	Color	Melville Shavelson	8	111	5	559 Tom Bosley		6000	Comedy Family
1266	Color	Bibo Bergeron	63	90	10	541 Bob Balaban		1000	Adventure Ani
1300	Color	David Leland	21	97	2	217 Ryan Cartwright		4000	Adventure Com
1390	Color	Mike Hodges	100	111	24	455 William Hootkins		591	Action Adventu
1394	Color	Scott Mann	44	93	8	558 Joshua Mikel		22000	Action Crime T
1412	Color	Kimble Rendall	145	93	0	174 Cariba Heine		465	Action Horror
1413	Color	Peter Yates	57	116	170	136 Alun Armstrong		14000	Action Adventu
1434	Black and White	Moustapha Akkad	24	156	278	249 Rod Steiger		695	Biography Dra
1436	Color	Joachim R��nning	58	93	18	324 Sam Shepard		4000	Action Comedy
1449	Color	Warren Beatty	57	195	631	521 Warren Beatty		635	Biography Dra
1480	Color	Steven Spielberg	56	142	14000	642 John Belushi		16000	Action Comedy
1494	Color	Tom Reeve	12	93	0	239 Rollo Weeks		330	Action Adventu
1638	Color	Simon West	130	92	165	700 Michael Angarano		26000	Action Crime C
1640	Color	Billie August	46	118	55	11 Patrick Lyster		113	Biography Dra
1641	Color	Fr��d��ric Auburtin	7	110	18	432 Thomas Kretschmann		922	Drama History
1642	Color	Liliana Cavani	56	110	59	24 Dougray Scott		1000	Crime Drama
1643	Color	Greg Tiernan	65	89	5	365 Salma Hayek		11000	Adventure Ani
1649	Color	George Clooney	181	113	0	89 David Julian Hirsh		504	Biography Com
1661	Color	Stephen Frears	87	110	350	83 Nina Arianda		11000	Biography Com
1670	Color	Shinji Aramaki	62	115	21	47 Y�� Aoi		173	Adventure Ani
1720	Color	Wolfgang Petersen	99	94	249	271 Barret Oliver		523	Adventure Dra

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	R	S	T	U	V	W	X	Y
1	movie_imdb_link	num_user_for_reviews	language	country	content_rating	budget	title_year	actor_2_facebo
3015	http://www.imdb.com/title/tt0473700/?ref_=fn_tt_tt_1	111	USA		R	11000000	2007	
3767	http://www.imdb.com/title/tt0075222/?ref_=fn_tt_tt_1	61	USA		PG	4400000	1976	
3999	http://www.imdb.com/title/tt0785025/?ref_=fn_tt_tt_1	18	USA		PG	3000000	2006	
4650	http://www.imdb.com/title/tt0006864/?ref_=fn_tt_tt_1	88	USA		Not Rated	385907	1916	
4714	http://www.imdb.com/title/tt0015624/?ref_=fn_tt_tt_1	45	USA		Not Rated	245000	1925	
4782	http://www.imdb.com/title/tt0011549/?ref_=fn_tt_tt_1	1	USA			100000	1920	
4856								
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	A	B	C	D	E	F	G	H	I	J
1	color	director_name	num_critics_for_reviews	duration	director_facebook_likes	actor_3_facebook_likes	actor_2_name	actor_1_facebook_likes	3	genre
2	Color	Tony Kaye			194		816 Aisha Tyler		970	Crim
3	Color	Jane Clark		7	23		51 Traci Dinwiddie		344	Ron
4	Color	Jonathan Jakubowicz		105	23		897 Jurnee Smollett-Bell		22000	Acti
5	Color	Dan Curtis		99	45		224 Campbell Scott		1000	Fan
6	Color	John Blanchard		65	0		176 Andrea Martin		770	Com
7	Color	Niels Arden Oplev		88	76		75 David Dencik		690	Acti
8	Color	Jim Amatulli		90	0		483 Patricia Neal		695	Dra
9	Color	Eric Bross		87	49		601 Esai Morales		708	Crim
10	Color	Mike Mayhall		88	14		668 Cody Howard		784	Fan
11	Color	Lance Kavas		90	66		452 Michael Rapaport		1000	Con
12	Color	Jaco Boooyens		90	37		0 Sebastian Aguilar		210	Dra
13	Color	Patricia Cardoso		89	15		650 Martha Higareda		919	Dra
14	Color	Simon Napier-Bell		81	0		8 Tim Rice		674	Doc
15	Color	John Laing		86	0		3 Peter Feeney		42	Dra
16	Color	Mitchell Altieri		87	9		165 Luke Edwards		467	Con
17	Color	Jaime Zevallos		93	228		134 Jaime Zevallos		310	Con
18	Color	Frank Lotito		102	5		259 Jake Busey		3000	Con
19	Color	Robert M. Young		105	0		467 Bruce McGill		883	We
20	Color	Rohit Jagessar		120	0		0 Rufus Graham		12	272741 Dra
21	Color	Charlie Levi		90	0		171 Barbara Hershey		1000	Dra
22	Color	Michael Talferro		138	105		110 Sticky Fingaz		592	Con
23	Color	Gene Teigland		103	0		20 Matthew Feeney		23	23616 Mys
24	Color	Richard Montoya		88	12		359 Angela Nordeng		601	79043 Crin
25	Color	Lance McDaniel		90	0		271 Steven Michael Quezada		595	Acti
26	Color	Daston Kalili		127	2		0 Rai Alexandra		2	Thri
27	Color	Patrick Gilles		90	0		569 Dylan Baker		970	Hist
28	Color	Joe Kenemore		52	0		0 Jack Canfield		8	Doc

Blanks in number of critics for review

	actor_3_name	facenumber_in_poster	plot_keywords	movie_imdb_link
1012	Olympia Dukakis	1		http://www.imdb.com
2126	Michael Rapaport	0		http://www.imdb.com
2704	Alexandra Callas	1		http://www.imdb.com
2987	William Shimell	1		http://www.imdb.com
3316	Arcelia Ramirez	0		http://www.imdb.com
3324	Fadia Nadda	3		http://www.imdb.com
3352	Lara Jean Chorosteki	0		http://www.imdb.com
3456	Brad Lee Wind	0		http://www.imdb.com
3537	Garrett Morris	7		http://www.imdb.com
3553	Jorge Diaz	1		http://www.imdb.com
3697	Mike Huckabee	0		http://www.imdb.com
3731	Swami Krishnanad	0		http://www.imdb.com
3732	Lorraine Toussaint	2		http://www.imdb.com
3760	Christian Anderson	0		http://www.imdb.com
3771				
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3784				

Blanks in plot key words

	movie_imdb_link	num_user_for_reviews	language	country	content_rating	budget	title_year	actor_2_facebook_likes	imdb_score	aspect_ratio	movie_facebook_likes
3637	http://www.imdb.com/title/tt2796678/?ref_=fn_tt_tt_1	3	English	USA		3300000	2014	521	4.5	16	
4042	http://www.imdb.com/title/tt1414361/?ref_=fn_tt_tt_1	28	English	USA	R	1000000	2009	157	2.8	16	
4060	http://www.imdb.com/title/tt1852001/?ref_=fn_tt_tt_1	2	French	France		900000	2011	0	6.7	16	
4109	http://www.imdb.com/title/tt1976608/?ref_=fn_tt_tt_1	5	English	USA	Unrated	500000	2011	169	6.8	16	
4132	http://www.imdb.com/title/tt2275671/?ref_=fn_tt_tt_1	1	Spanish	Dominican Republic	R	500000	2012	15	6.9	16	
4134	http://www.imdb.com/title/tt3846442/?ref_=fn_tt_tt_1	1	English	USA		500000	2016	169	5.2	16	
4241	http://www.imdb.com/title/tt1942884/?ref_=fn_tt_tt_1	23	English	Canada	Not Rated	100000	2012	0	7.7	16	
4259	http://www.imdb.com/title/tt1798291/?ref_=fn_tt_tt_1	7	English	USA	R	42000	2013	571	6.6	16	
4279	http://www.imdb.com/title/tt2049518/?ref_=fn_tt_tt_1	8	English	USA		200000	2012	98	5.4	16	
4283											
4284											
4285											
4286											
4287											
4288											
4289											
4290											
4291											
4292											
4293											
4294											
4295											
4296											

As we can see the aspect ratio is 16 it is deviation from other values as they fall in unit digits and decimal points so we convert them into 1.6

IMDB_Movies - Excel

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Clipboard Font Alignment Number Styles Cells Editing

	R	S	T	U	V	W	X	Y	Z	AA	AB
	movie_imdb_link	num_user_for_reviews	language	country	content_rating	budget	title_year	actor_2_facebook_likes	imdb_score	aspect_ratio	movie_facebook_likes
3637	http://www.imdb.com/title/tt2796678/?ref_=fn_tt_tt_1	3	English	USA		3300000	2014	521	4.5	1.6	
4042	http://www.imdb.com/title/tt1414361/?ref_=fn_tt_tt_1	28	English	USA	R	1000000	2009	157	2.8	1.6	
4060	http://www.imdb.com/title/tt1852001/?ref_=fn_tt_tt_1	2	French	France		900000	2011	0	6.7	1.6	
4109	http://www.imdb.com/title/tt1976608/?ref_=fn_tt_tt_1	5	English	USA	Unrated	500000	2011	169	6.8	1.6	
4132	http://www.imdb.com/title/tt2275671/?ref_=fn_tt_tt_1	1	Spanish	Dominican Republic	R	500000	2012	15	6.9	1.6	
4134	http://www.imdb.com/title/tt3846442/?ref_=fn_tt_tt_1	1	English	USA		500000	2016	169	5.2	1.6	
4241	http://www.imdb.com/title/tt1942884/?ref_=fn_tt_tt_1	23	English	Canada	Not Rated	100000	2012	0	7.7	1.6	
4259	http://www.imdb.com/title/tt1798291/?ref_=fn_tt_tt_1	7	English	USA	R	42000	2013	571	6.6	1.6	
4279	http://www.imdb.com/title/tt2049518/?ref_=fn_tt_tt_1	8	English	USA		200000	2012	98	5.4	1.6	

And other replacements as well

The screenshot shows the Microsoft Excel interface with a Find and Replace dialog box open. The dialog is configured to find the character 'É' and replace it with 'E'. The 'Find what' field contains 'É' and the 'Replace with' field contains 'E'. The 'Find all' button is highlighted. In the background, a spreadsheet is visible with columns for movie titles, directors, and various metrics. A 'Microsoft Excel' status bar at the bottom indicates 'All done. We made 1 replacement.'

Excel interface showing a table of movie data. The 'Find and Replace' dialog box is open, displaying the search criteria: Find what: Å, Replace with: é. The table columns include actor_3_facebook_likes, actor_2_name, actor_1_facebook_likes, gross, genres, and actor_1_name. The data rows show movie details like 'Lily Rabe', 'Deborah Twiss', 'Dilshad Vadsaria', etc.

	actor_3_facebook_likes	actor_2_name	actor_1_facebook_likes	gross	genres	actor_1_name
1650	559	Lily Rabe	943	43097652	Comedy	LC Zoë Kravitz
1651	385	Deborah Twiss	553	48043505	Action	Co Elizabeth McG
1652	459	Dilshad Vadsaria	731	37053924	Action	Co Bianca Kajlich
1653	1000	Danny Masterson	18000	33000377	Action	Fai Gerard Butler
1654	3000	Steve Carell	35000	66950483	Comedy	F Bella Thorne
1655	241	Brenda Blethyn	422	38372662	Drama	Ro Talulah Riley
1656	521	Sean Young	11000	27000000	Sci-Fi	Thril Harrison Ford
1657	902	Jason Fleming	14000	31600000	Adventure	Liam Neeson
1658	114	Richard Sammel	933	30688364	Acti	
1659	97	Oleg Taktarov	3000	28563179	Crim	
1660	258	Bob Clendenin	497	1679636	Dra	
1661	585	Carlos Ponce	806	17324744	Cor	
1662	385	Mary McCormack	738	8888143	Cor	
1663	453	Amber Valletta	1000	24268828	Acti	
1664	899	Francis Capra	1000	8119205	Comedy	F Mara Wilson
1665	900	Clea DuVall	26000	8434601	Action	Ho Jason Statham
1666	680	Ben Kasse	1000	608232	Comedy	F Dominic Monaghan

Excel interface showing a table of movie data. The 'Find and Replace' dialog box is open, displaying the search criteria: Find what: Å, Replace with: Ó. The table columns include actor_3_facebook_likes, actor_2_name, actor_1_facebook_likes, gross, genres, and actor_1_name. The data rows show movie details like 'Sean Kingston', 'Mila Kunis', 'Abbie Cornish', etc.

	actor_3_facebook_likes	actor_2_name	actor_1_facebook_likes	gross	genres	actor_1_name
41	Sean Kingston	569	73000942	Document	Usher Raymond	
1000	Mila Kunis	20000	106952327	Drama	Th Natalie Portman	
1000	Abbie Cornish	10000	58607007	Action	Cri Gary Oldman	RoboCop
3000	Al Pacino	22000	57300000	Crime	Dra Robert De Niro	The Godfather: Part II
237	Terry Kinney	656	91038276	Drama	Mt Sean Patrick Thorn	Save the Last Dance
54	Rodney Eastman	130	49369900	Fantasy	HT Tuesday Knight	A Nightmare on Elm Street 4: The Dream Master
579	Brighton Sharbino	3000	61693523	Drama	Jennifer Garner	Miracles from Heaven
612	Mary Lynn Rajskub	3000	46729374	Comedy	JA Jennifer Garner	Dude, Where's My Car?
316	Patrick Wayne	549	44726644	Acti		
360	Naomi Watts	13000	44134898	Com		
460	Regina Hall	833	48637684	Com		
835	Heath Ledger	23000	38176108	Com		
301	Eddie Griffin	11000	28972187	Com		
182	Lin Shaye	11000	27979400	Acti		
2	Brett Cullen	619	54257433	Drama	Ho Óscar Jaenada	The Shallows
829	Eric Stoltz	8000	23947	Sci-Fi	Thril Logan Lerman	The Butterfly Effect
329	Mark Webber	571	60008303	Adventure	Chris Elliott	Snow Day
912	Chris Brown	1000	49121934	Comedy	IC Mekhi Phifer	This Christmas
782	Dom DeLuise	899	27141959	Comedy	IC Kathleen Turner	Baby Geniuses
459	Elliott Gould	904	27052167	Action	Co Bokeem Woodbin	The Big Hit
388	Eartha Kitt	694	26539321	Comedy	IC Gregory Smith	Harriet the Spy
435	Beth Grant	659	28501605	Fantasy	HT Jenny Agutter	Child's Play 2
334	Kate del Castillo	1000	52543632	Crime	Thr Leslie Bibb	No Good Deed
745	Alexa Davalos	2000	25592632	Horror	Toby Jones	The Mist
123	Sonoya Mizuno	149	25440971	Drama	MT Elina Alminas	Ex Machina
213	Orson Bean	512	22858926	Comedy	IC Willie Garson	Being John Malkovich
408	William F. Gaxton	630	22355001	Comedy	IC Matt Maloney	The Santa Clause

Excel interface showing a data table with columns: actor_2_name, actor_1_facebook_likes, gross, genres, actor_1_name, movie_title. A 'Find and Replace' dialog box is open, showing 'Find what: A' and 'Replace with:'. A 'Microsoft Excel' message box states: 'All done. We made 3747 replacements.' The table contains 24 rows of movie data.

	G	H	I	J	K		L	M	N	O	P
	actor_2_name	actor_1_facebook_likes	gross	genres	actor_1_name	movie_title					
1	Joel David Moore	1000	760505847	Action	Ad CCH Pounder	Avatar	886204			4834	Wes Studi
2	Orlando Bloom	40000	309404152	Action	Ad Johnny Depp	Pirates of the Caribbean: At World's End	471220			48350	Jack Davenport
3	Rory Kinnear	11000	200074175	Action	Ad Christoph Waltz	Spectre	275868			11700	Stephanie Sigman
4	Christian Bale	27000	448130642	Action	Thi Tom Hardy	The Dark Knight Rises	1144337			106759	Joseph Gordon-Le
5	Samantha Morton	640	73058679	Action	Ad Daryl Sabara	John Carter	212204			1873	Polly Walker
6	James Franco	24000	336530303	Action	Ad J.K. Simmons	Spider-Man 3	383056			46055	Kirsten Dunst
7	Donna Murphy	799	200807262	Adventure	Brad Garrett	Tangled	294810			2036	M.C. Gainey
8	Robert Downey Jr	26000	458991599	Action	Ad Chris Hemsworth	Avengers: Age of Ultron	462669			92000	Scarlett Johansson
9	Daniel Radcliffe	25000	301956980	Adventure	Alan Rickman	Harry Potter and the Half-Blood Prince	321795			58753	Rupert Grint
10	Lauren Cohan	15000	330249062	Action	Ad Henry Cavill	Batman v Superman: Dawn of Justice	371639			24450	Alan D. Purwin
11	Marlon Brando	18000	200069408	Action	Ad Kevin Spacey	Superman Returns	240396			29991	Frank Langella
12	Mathieu Amalric	451	168368427	Action	Ad Giancarlo Giannini	Quantum of Solace	330784			2023	Rory Kinnear
13	Orlando Bloom	40000	423032628	Action	Ad Johnny Depp	Pirates of the Caribbean: The Curse of the Black Pearl	522040			48486	Jack Davenport
14	Ruth Wilson	40000	89289910	Action	Ad Johnny Depp	The Lone Ranger	181792			45757	Tom Wilkinson
15	Christopher Meloni	15000	291021565	Action	Ad Henry Cavill	Man of Steel	548573			20495	Harry Lennix
16	Pierfrancesco Favino	22000	141614023	Action	Ad Peter Dinklage	The Chronicles of Narnia: Prince Caspian	149922			22697	Damian Lewis
17	Robert Downey Jr	26000	623279547	Action	Ad Chris Hemsworth	The Avengers	995415			87697	Scarlett Johansson
18	Sam Claflin	40000	241063875	Action	Ad Johnny Depp	Pirates of the Caribbean: On Stranger Tides	370704			54083	Stephen Graham
19	Michael Stuhlbarg	10000	179020854	Action	Ad Will Smith	Men in Black 3	268154			12572	Nicole Scherzinger
20	Adam Brown	5000	255108370	Adventure	Aidan Turner	The Hobbit: The Battle of the Five Armies	354228			9152	James Nesbitt
21	Andrew Garfield	15000	262030663	Action	Ad Emma Stone	The Amazing Spider-Man	451803			28489	Chris Zylka
22	William Hurt	891	105219735	Action	Ad Mark Addy	Robin Hood	211765			3244	Scott Grimes
23	Adam Brown	5000	258355354	Adventure	Aidan Turner	The Hobbit: The Desolation of Smaug	483540			9152	James Nesbitt

Excel interface showing a data table with columns: actor_2_name, actor_1_facebook_likes, gross, genres, actor_1_name, movie_title. A 'Find and Replace' dialog box is open, showing 'Find what: A' and 'Replace with:'. A 'Microsoft Excel' message box states: 'All done. We made 3747 replacements.' The table contains 24 rows of movie data.

	G	H	I	J	K		L	M	N	O	P
	actor_2_name	actor_1_facebook_likes	gross	genres	actor_1_name	movie_title					
1	Joel David Moore	1000	760505847	Action	Ad CCH Pounder	Avatar	886204			4834	Wes Studi
2	Orlando Bloom	40000	309404152	Action	Ad Johnny Depp	Pirates of the Caribbean: At World's End	471220			48350	Jack Davenport
3	Rory Kinnear	11000	200074175	Action	Ad Christoph Waltz	Spectre	275868			11700	Stephanie Sigman
4	Christian Bale	27000	448130642	Action	Thi Tom Hardy	The Dark Knight Rises	1144337			106759	Joseph Gordon-Le
5	Samantha Morton	640	73058679	Action	Ad Daryl Sabara	John Carter	212204			1873	Polly Walker
6	James Franco	24000	336530303	Action	Ad J.K. Simmons	Spider-Man 3	383056			46055	Kirsten Dunst
7	Donna Murphy	799	200807262	Adventure	Brad Garrett	Tangled	294810			2036	M.C. Gainey
8	Robert Downey Jr	26000	458991599	Action	Ad Chris Hemsworth	Avengers: Age of Ultron	462669			92000	Scarlett Johansson
9	Daniel Radcliffe	25000	301956980	Adventure	Alan Rickman	Harry Potter and the Half-Blood Prince	321795			58753	Rupert Grint
10	Lauren Cohan	15000	330249062	Action	Ad Henry Cavill	Batman v Superman: Dawn of Justice	371639			24450	Alan D. Purwin
11	Marlon Brando	18000	200069408	Action	Ad Kevin Spacey	Superman Returns	240396			29991	Frank Langella
12	Mathieu Amalric	451	168368427	Action	Ad Giancarlo Giannini	Quantum of Solace	330784			2023	Rory Kinnear
13	Orlando Bloom	40000	423032628	Action	Ad Johnny Depp	Pirates of the Caribbean: The Curse of the Black Pearl	522040			48486	Jack Davenport
14	Ruth Wilson	40000	89289910	Action	Ad Johnny Depp	The Lone Ranger	181792			45757	Tom Wilkinson
15	Christopher Meloni	15000	291021565	Action	Ad Henry Cavill	Man of Steel	548573			20495	Harry Lennix
16	Pierfrancesco Favino	22000	141614023	Action	Ad Peter Dinklage	The Chronicles of Narnia: Prince Caspian	149922			22697	Damian Lewis
17	Robert Downey Jr	26000	623279547	Action	Ad Chris Hemsworth	The Avengers	995415			87697	Scarlett Johansson
18	Sam Claflin	40000	241063875	Action	Ad Johnny Depp	Pirates of the Caribbean: On Stranger Tides	370704			54083	Stephen Graham
19	Michael Stuhlbarg	10000	179020854	Action	Ad Will Smith	Men in Black 3	268154			12572	Nicole Scherzinger
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22	William Hurt	891	105219735	Action	Ad Mark Addy	Robin Hood	211765			3244	Scott Grimes
23	Adam Brown	5000	258355354	Adventure	Aidan Turner	The Hobbit: The Desolation of Smaug	483540			9152	James Nesbitt

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Consolidate

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What-If Analysis

Forecast Sheet

Group Unger

Color

	color	director_name	num_critic_for_reviews	duration	director_facebook_likes	actor_3_facebook_likes	actor_2_name	actor_1_facebook_likes
2	Color	James Cameron	723	178	0	855	Joel David Moore	1000
3	Color	Gore Verbinski	302	169	563	1000	Orlando Bloom	4000
4	Color	Sam Mendes	602	148	0	161	Rory Kinnear	1100
5	Color	Christopher Nolan	813	164	22000	23000	Christian Bale	2700
6	Color	Andrew Stanton	462	132	475	530	Samantha Morton	64
7	Color	Sam Raimi	392	156	0	4000	James Franco	2400
8	Color	Nathan Greno	324	100	15	284	Donna Murphy	79
9	Color	Joss Whedon	635	141	0	19000	Robert Downey Jr.	2600
10	Color	David Yates						2500
11	Color	Zack Snyder						1500
12	Color	Bryan Singer						1800
13	Color	Marc Forster						45
14	Color	Gore Verbinski						4000
15	Color	Gore Verbinski						4000
16	Color	Zack Snyder	733	143	0	748	Christopher Meloni	1500
17	Color	Andrew Adamson	258	150	80	201	Pierfrancesco Favino	2200
18	Color	Joss Whedon	703	173	0	19000	Robert Downey Jr.	2600
19	Color	Rob Marshall	448	136	252	1000	Sam Claflin	4000
20	Color	Barry Sonnenfeld	451	106	188	718	Michael Stuhlbarg	1000
21	Color	Peter Jackson	422	164	0	773	Adam Brown	500
22	Color	Marc Webb	599	153	464	963	Andrew Garfield	1500
23	Color	Ridley Scott	343	156	0	738	William Hurt	89
24	Color	Peter Jackson	509	186	0	773	Adam Brown	500
25	Color	Chris Weitz	251	113	129	1000	Eva Green	1600
26	Color	Peter Jackson	446	201	0	84	Thomas Kretschmann	600

Microsoft Excel

33 duplicate values found and removed; 3722 unique values remain. Note that counts may include empty cells, spaces, etc.

OK

Microsoft Excel
 33 duplicate values found and removed; 3722 unique values remain. Note that counts may include empty cells, spaces, etc.
 OK

And removing duplicates (other various changes that are minute to be documented but mostly spelling deviations)

This helps us clear the data

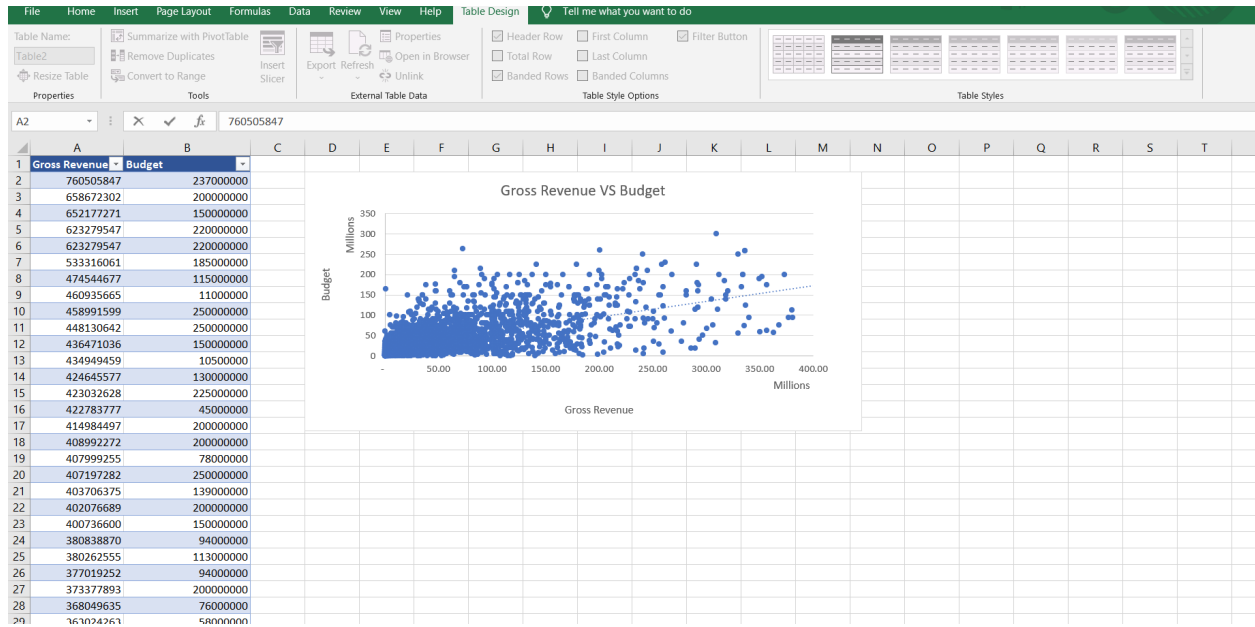
2. Movies with highest profit: Create a new column called profit which contains the difference of the two columns: gross and budget. Sort the column using the profit column as reference. Plot profit (y-axis) vs budget (x-axis) and observe the outliers using the appropriate chart type.

Your task: Find the movies with the highest profit?

File	Home	Insert	Page Layout	Formulas	Data	Review	View	Help	Table Design	Tell me what you want to do
<div> <div>Cut Copy Paste Format Painter</div> <div>Clipboard</div> <div> <div>Calibri 11</div> <div>B I U</div> <div>Font</div> </div> <div> <div>Wrap Text</div> <div>Alignment</div> </div> <div> <div>General</div> <div>Number</div> </div> <div> <div>Conditional Formatting</div> <div>Format as Table</div> <div>Cell Styles</div> </div> </div>										
AC11 <input type="text" value="=I11-W11"/>										
	V	W	X	Y	Z	AA	AB	AC	AD	AE
1	content_rating	budget	title_year	actor_2_facebook_likes	imdb_score	aspect_ratio	movie_facebook_likes	Profit		
2	PG-13	237000000	2009	936	7.9	1.78	33000	523505847		
3	PG-13	300000000	2007	5000	7.1	2.35	0	9404152		
4	PG-13	245000000	2015	393	6.8	2.35	85000	-44925825		
5	PG-13	250000000	2012	23000	8.5	2.35	164000	198130642		
6	PG-13	263700000	2012	632	6.6	2.35	24000	-190641321		
7	PG-13	258000000	2007	11000	6.2	2.35	0	78530303		
8	PG	260000000	2010	553	7.8	1.85	29000	-59192738		
9	PG-13	250000000	2015	21000	7.5	2.35	118000	208991599		
10	PG	250000000	2009	11000	7.5	2.35	10000	51956980		
11	PG-13	250000000	2016	4000	6.9	2.35	197000	80249062		
12	PG-13	209000000	2006	10000	6.1	2.35	0	-8930592		
13	PG-13	200000000	2008	412	6.7	2.35	0	-31631573		
14	PG-13	225000000	2006	5000	7.3	2.35	5000	198032628		
15	PG-13	215000000	2013	2000	6.5	2.35	48000	-125710090		
16	PG-13	225000000	2013	3000	7.2	2.35	118000	66021565		
17	PG	225000000	2008	216	6.6	2.35	0	-83385977		
18	PG-13	220000000	2012	21000	8.1	1.85	123000	403279547		
19	PG-13	250000000	2011	11000	6.7	2.35	58000	-8936125		
20	PG-13	225000000	2012	816	6.8	1.85	40000	-45979146		
21	PG-13	250000000	2014	972	7.5	2.35	65000	5108370		
22	PG-13	230000000	2012	10000	7	2.35	56000	32030663		
23	PG-13	200000000	2010	882	6.7	2.35	17000	-94780265		
24	PG-13	225000000	2013	972	7.9	2.35	83000	33355354		
25	PG-13	180000000	2007	6000	6.1	2.35	0	-109916481		
26	PG-13	207000000	2005	919	7.2	2.35	0	11051260		
27	PG-13	200000000	1997	14000	7.7	2.35	26000	458672302		
28	PG-13	250000000	2016	19000	8.2	2.35	72000	157197282		
29	PG-13	209000000	2012	10000	5.9	2.35	44000	-143826840		

Insight: Convert the unit of the budget and gross columns from \$ to million \$ by dividing the amount by 1000000

Based on table of profit we create x and y axis graph



3. Top 250: Create a new column IMDb_Top_250 and store the top 250 movies with the highest IMDb Rating (corresponding to the column: imdb_score). Also make sure that for all of these movies, the num_voted_users is greater than 25,000. Also add a Rank column containing the values 1 to 250 indicating the ranks of the corresponding films.

Get & Transform Data		Queries & Connections		Sort & Filter	Data Tools		Forecast	Outline	Analysis
A3									
A	B	C	D	E	F	G	H	I	J
1	num_voted_users	(Multiple Items)							
2									
3	Rank	Row Labels	Max of imdb_score						
4	1	The Shawshank Redemption	9.3						
5	2	The Godfather	9.2						
6	3	The Godfather: Part II	9						
7	4	The Dark Knight	9						
8	5	The Lord of the Rings: The Return of the King	8.9						
9	6	The Good, the Bad and the Ugly	8.9						
10	7	Schindler's List	8.9						
11	8	Pulp Fiction	8.9						
12	9	The Lord of the Rings: The Fellowship of the Ring	8.8						
13	10	Star Wars: Episode V - The Empire Strikes Back	8.8						
14	11	Forrest Gump	8.8						
15	12	Inception	8.8						
16	13	Fight Club	8.8						
17	14	The Lord of the Rings: The Two Towers	8.7						
18	15	The Matrix	8.7						
19	16	Star Wars: Episode IV - A New Hope	8.7						
20	17	Seven Samurai	8.7						
21	18	One Flew Over the Cuckoo's Nest	8.7						
22	19	Goodfellas	8.7						
23	20	City of God	8.7						
24	21	The Silence of the Lambs	8.6						
25	22	The Usual Suspects	8.6						
26	23	Spirited Away	8.6						
27	24	Saving Private Ryan	8.6						
28	25	Se7en	8.6						
29	26	Modern Times	8.6						

Using pivot table and get imdb score for to get 25,000 above we apply filters using pivot table `

Extract all the movies in the IMDb_Top_250 column which are not in the English language and store them in a new column named Top_Foreign_Lang_Film.

Get & Transform Data		Queries & Connections		Sort & Filter	Data Tools		Forecast	Outline	Analysis
C8									
A	B	C	D	E	F	G	H	I	J
1	num_voted_users	(Multiple Items)							
2	language	(Multiple Items)							
3	Rank	Row Labels	Max of imdb_score						
5	2	The Good, the Bad and the Ugly	8.9						
6	3	Seven Samurai	8.7						
7	4	City of God	8.7						
8	5	Spirited Away	8.6						
9	6	Children of Heaven	8.5						
10	7	The Lives of Others	8.5						
11	8	A Separation	8.4						
12	9	Amélie	8.4						
13	10	Princess Mononoke	8.4						
14	11	Oldboy	8.4						
15	12	Das Boot	8.4						
16	13	The Hunt	8.3						
17	14	Downfall	8.3						
18	15	Metropolis	8.3						
19	16	The Secret in Their Eyes	8.2						
20	17	Pan's Labyrinth	8.2						
21	18	Howl's Moving Castle	8.2						
22	19	Incendies	8.2						
23	20	The Celebration	8.1						
24	21	The Sea Inside	8.1						
25	22	Elite Squad	8.1						
26	23	Akira	8.1						
27	24	Tae Guk Gi: The Brotherhood of War	8.1						
28	25	Amores Perros	8.1						

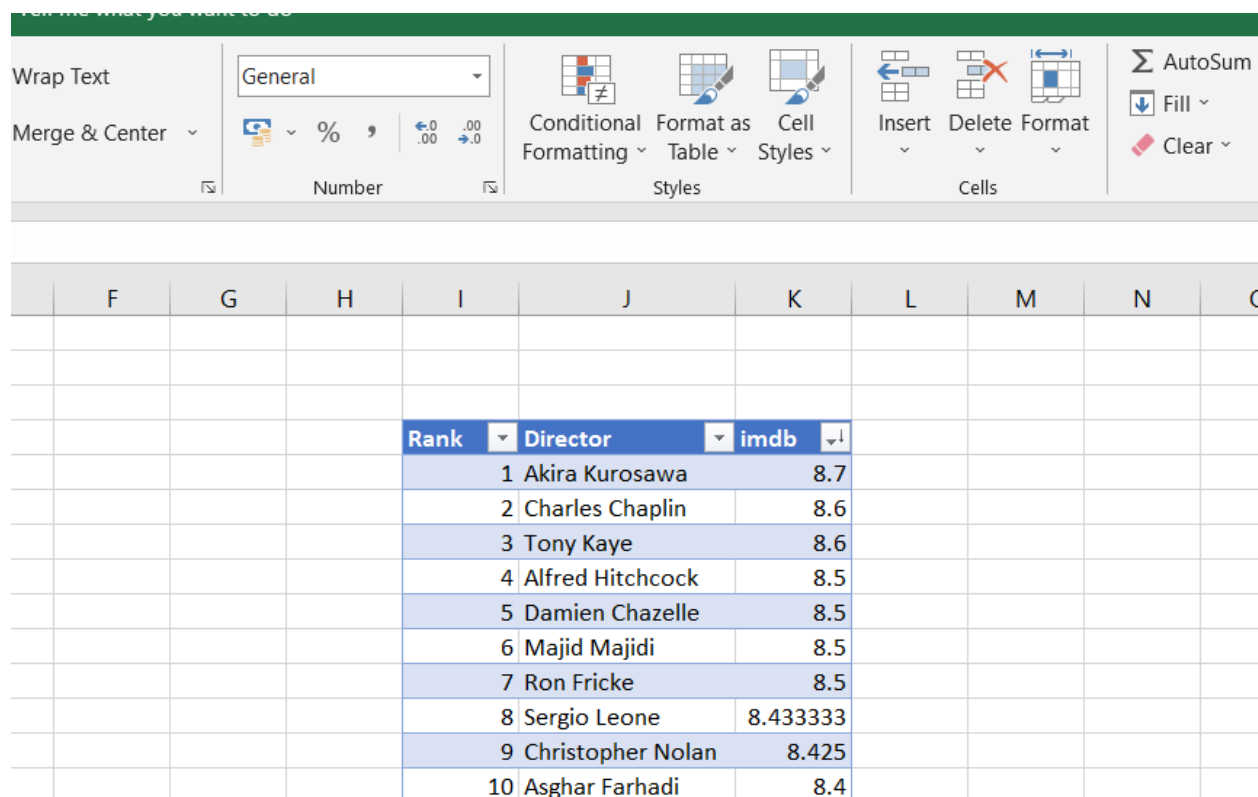
By adding language as filter and including all languages except english

4.Best Directors: TGroup the column using the director_name column.

Find out the top 10 directors for whom the mean of imdb_score is the highest and store them in a new column top10director. In case of a tie in IMDb score between two directors, sort them alphabetically.

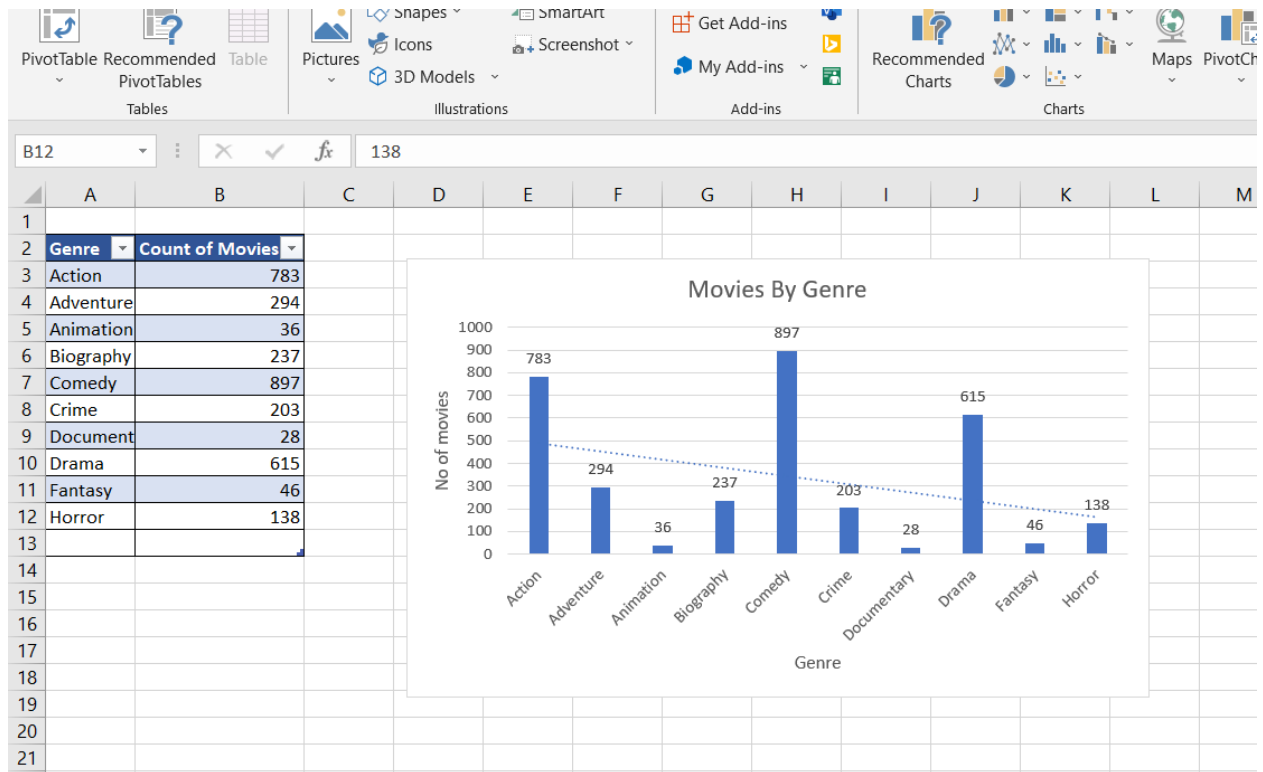
1						
2						
3	Row Labels	▼	Average of imdb_score			
4	Akira Kurosawa		8.7			
5	Tony Kaye		8.6			
6	Charles Chaplin		8.6			
7	Ron Fricke		8.5			
8	Majid Majidi		8.5			
9	Damien Chazelle		8.5			
10	Alfred Hitchcock		8.5			
11	Sergio Leone		8.433333333			
12	Christopher Nolan		8.425			
13	Richard Marquand		8.4			
14	Asghar Farhadi		8.4			
15	Lenny Abrahamson		8.3			
16	Lee Unkrich		8.3			
17	Fritz Lang		8.3			
18	Billy Wilder		8.3			
19	Pete Docter		8.233333333			
20	Hayao Miyazaki		8.225			

Top 10 director based on imdb score and then sorting them alphabetically



5.Popular Genres: Perform this step using the knowledge gained while performing previous steps.

Your task: Find popular genres



insight:I have split the values from the genres column and extracted them into 3 columns

6. Charts: Create three new columns namely, Meryl_Streep, Leo_Caprio, and Brad_Pitt which contain the movies in which the actors: 'Meryl Streep', 'Leonardo DiCaprio', and 'Brad Pitt' are the lead actors. Use only the actor_1_name column for extraction. Also, make sure that you use the names 'Meryl Streep', 'Leonardo DiCaprio', and 'Brad Pitt' for the said extraction.

Append the rows of all these columns and store them in a new column named Combined.

Group the combined column using the actor_1_name column.

Find the mean of the num_critic_for_reviews and num_users_for_review and identify the actors which have the highest mean.

Observe the change in number of voted users over decades using a bar chart. Create a column called decade which represents the decade to which every movie belongs to. For example, the title_year year 1923, 1925 should be stored as 1920s. Sort the column based on the column decade, group it by decade and find the sum of users voted in each decade.

Store this in a new data frame called `df_by_decade`.

Your task: Find the critic-favorite and audience-favorite actors

Paste

Clipboard

Format Painter

Font

Merge & Center

Alignment

%

Number

Conditional Formatting

Format as Table

Cell Styles

Styles

Insert

Delete

Format

Cells

Sort & Find & Filter

Select

Clear

Editing

136

268488329

	I	J	K	L	M	N
1	gross	genres	actor_1_name	movie_title	num_voted_users	cast_total_facebook_likes
392	112703470	Comedy Drama Romance	Meryl Streep	It's Complicated	69860	
036	46815748	Action Adventure Crime Thriller	Meryl Streep	The River Wild	32544	
129	94125426	Biography Drama Romance	Meryl Streep	Julie & Julia	79264	
318	124732962	Comedy Drama Romance	Meryl Streep	The Devil Wears Prada	286178	
386	14998070	Drama Thriller War	Meryl Streep	Lions for Lambs	41170	
466	87100000	Biography Drama Romance	Meryl Streep	Out of Africa	52339	
509	63536011	Comedy Drama Romance	Meryl Streep	Hope Springs	34258	
558	23209440	Drama	Meryl Streep	One True Thing	9283	
778	41597830	Drama Romance	Meryl Streep	The Hours	102123	
485	29959436	Biography Drama History	Meryl Streep	The Iron Lady	82327	
771	20338609	Comedy Drama Music	Meryl Streep	A Prairie Home Companion	19655	
1724						
1725						
1726						
1727						
1728						
1729						
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1732						
1733						

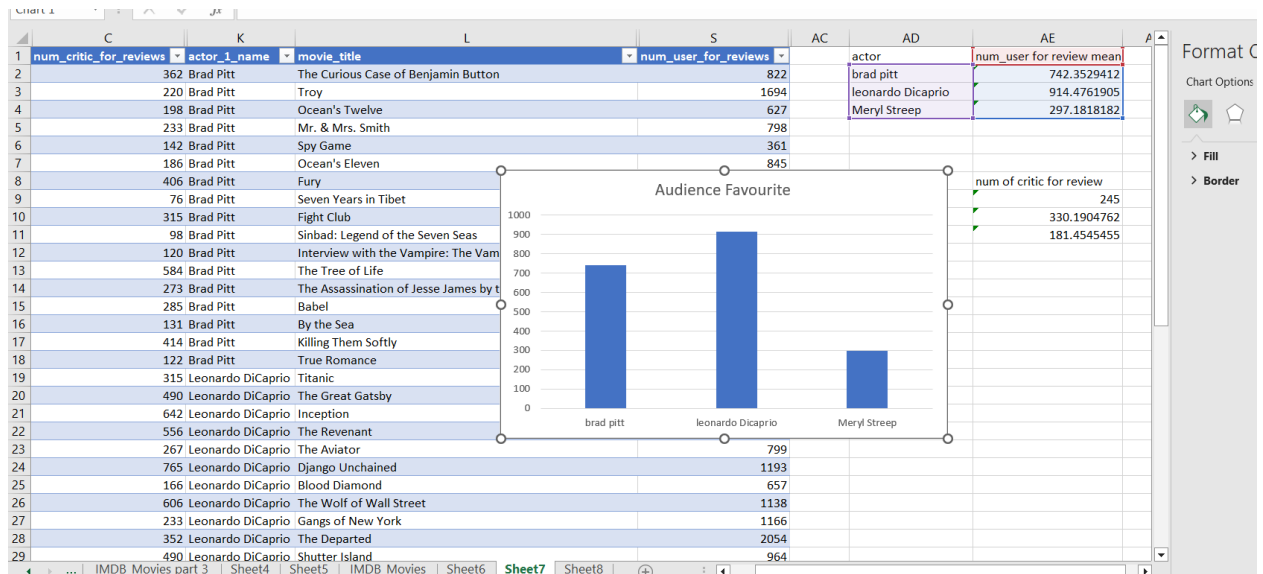
Meryl streep

I	J	K	L	M	N
ross	genres	actor_1_name	movie_title	num_voted_users	cast_total_facebook_likes
658672302	Drama Romance	Leonardo DiCaprio	Titanic	793059	362912
144812796	Drama Romance	Leonardo DiCaprio	The Great Gatsby	1468200	406020
292568851	Action Adventure Sci-Fi Thriller	Leonardo DiCaprio	Inception	264318	955174
183635922	Adventure Drama Thriller Western	Leonardo DiCaprio	The Revenant	400292	780588
102608827	Biography Drama	Leonardo DiCaprio	The Aviator	314033	873649
162804648	Drama Western	Leonardo DiCaprio	Django Unchained	786092	174248
57366262	Adventure Drama Thriller	Leonardo DiCaprio	Blood Diamond	525801	176169
116866727	Biography Comedy Crime Drama	Leonardo DiCaprio	The Wolf of Wall Street	152591	125219
77679638	Crime Drama	Leonardo DiCaprio	Gangs of New York	102728	69197
132373442	Crime Drama Thriller	Leonardo DiCaprio	The Departed	20163	167750
127968405	Mystery Thriller	Leonardo DiCaprio	Shutter Island	362933	
39380442	Action Drama Thriller	Leonardo DiCaprio	Body of Lies		
164435221	Biography Crime Drama	Leonardo DiCaprio	Catch Me If You Can		
39778599	Adventure Drama Thriller	Leonardo DiCaprio	The Beach		
22877808	Drama Romance	Leonardo DiCaprio	Revolutionary Road		
56876365	Action Adventure	Leonardo DiCaprio	The Man in the Iron Mask		
37304950	Biography Crime Drama	Leonardo DiCaprio	J. Edgar		
18636537	Action Thriller Western	Leonardo DiCaprio	The Quick and the Dead		
12782508	Drama	Leonardo DiCaprio	Marvin's Room		
46338728	Drama Romance	Leonardo DiCaprio	Romeo + Juliet		
144812796	Drama Romance	Leonardo DiCaprio	The Great Gatsby		

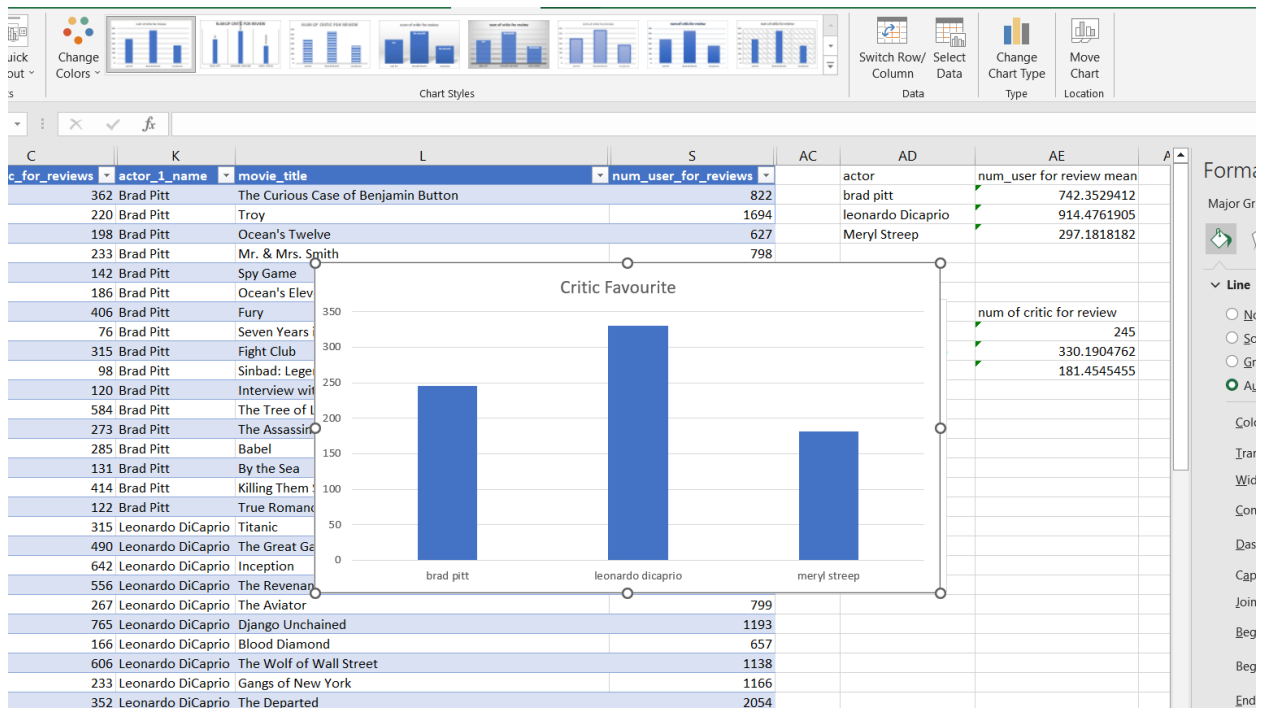
Leonardo Dicaprio

Brad pitt

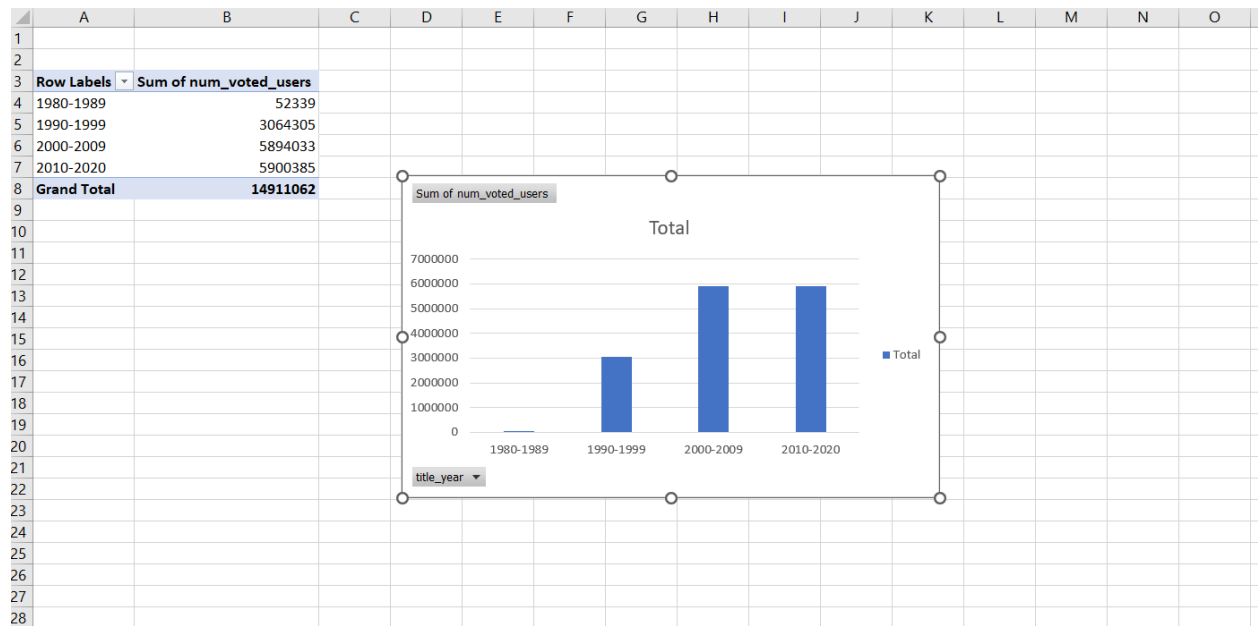
	Meryl steep	leonardo dicaprio	Brad Pitt	Combined	E	F	G	H	I
4	Julie & Julia	Inception	Ocean's Twelve	Julie & Julia					
5	The Devil Wears Prada	The Revenant	Mr. & Mrs. Smith	The Devil Wears Prada					
6	Lions for Lambs	The Aviator	Spy Game	Lions for Lambs					
7	Out of Africa	Django Unchained	Ocean's Eleven	Out of Africa					
8	Hope Springs	Blood Diamond	Fury	Hope Springs					
9	One True Thing	The Wolf of Wall Street	Seven Years in Tibet	One True Thing					
10	The Hours	Gangs of New York	Fight Club	The Hours					
11	The Iron Lady	The Departed	Sinbad: Legend of the Seven Seas	The Iron Lady					
12	A Prairie Home Companion	Shutter Island	Interview with the Vampire: The Vampire Chronicles	A Prairie Home Companion					
13		Body of Lies	The Tree of Life	Titanic					
14		Catch Me If You Can	The Assassination of Jesse James by the Coward Robert Ford	The Great Gatsby					
15		The Beach	Babel	Inception					
16		Revolutionary Road	By the Sea	The Revenant					
17		The Man in the Iron Mask	Killing Them Softly	The Aviator					
18		J. Edgar	True Romance	Django Unchained					
19		The Quick and the Dead		Blood Diamond					
20		Marvin's Room		The Wolf of Wall Street					
21		Romeo + Juliet		Gangs of New York					
22		The Great Gatsby		The Departed					
23				Shutter Island					
24				Body of Lies					
25				Catch Me If You Can					
26				The Beach					
27				Revolutionary Road					
28				The Man in the Iron Mask					
29				J. Edgar					
30				The Quick and the Dead					
31				Marvin's Room					



Audience fav



Critic Fav



Insight: By pivot table we extract title year and num of voted users and then by grouping them in decade find the trend