

DAV PROJECT

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Topic: Netflix

Data source: https://public.tableau.com/app/profile/polina2257/viz/Netflix_dashboard/Netflix

We have a dataset for the years 2008 through 2021. We understand our data on **Excel** and **Tableau**. The data we received wasn't formatted for the "date" column thus we formatted it in excel itself. After that we went ahead and projected our final dataset on **Tableau** for visualizations.

We have **created 7 visualizations and 1 interactive dashboard**.

Our Netflix dataset has **7279 rows** and **15 columns**.

	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	
1	Country	Show Id	Rating	Release group	Release Year	Type	Title	Listed In	Genre	Duration	Director	Description	Date Added	Cast					
2	Brazil	s1	TV-MA	2020's	2020	TV Show	3%	International TV S	International	4 Seasons		In a future where the	8/14/20	João Miguel, Bianca Comparato, Michel Gomes, Rodolfo Valen					
3	Mexico	s2	TV-MA	2010's	2016	Movie	7:19	Dramas, Internati	Drama	93 min	Jorge Micl	After a devastating ee	12/23/16	Demián Bichir, Héctor Bonilla, Oscar Serrano, Azalia Ortiz, Octa					
4	Singapore	s3	R	2010's	2011	Movie	23:59	Horror Movies, In	Horror	78 min	Gilbert Chi	When an army recruit	12/20/18	Tedd Chan, Stella Chung, Henley Hii, Lawrence Koh, Tommy Kua					
5	United States	s4	PG-13	2000's	2009	Movie	9	Action & Adventu	Action	80 min	Shane Acki	In a postapocalyptic v	11/16/17	Elijah Wood, John C. Reilly, Jennifer Connelly, Christopher Plum					
6	United States	s5	PG-13	2000's	2008	Movie	21	Dramas	Drama	123 min	Robert Luk A	brilliant group of stu	1/1/20	Jim Sturgess, Kevin Spacey, Kate Bosworth, Aaron Yoo, Liza Lap					
7	Turkey	s6	TV-MA	2010's	2016	TV Show	46	International TV S	International	1 Season	Serdar Aka A	genetics professor €	7/1/17	Erdal Beşikçioğlu, Yasemin Allen, Melis Birkan, Saygın Soysal, Be					
8	Egypt	s7	TV-MA	2010's	2019	Movie	122	Horror Movies, In	Horror	95 min	Yasir Al Ya	After an awful accidei	6/1/20	Amina Khalil, Ahmed Dawood, Tarek Lotfy, Ahmed El Fishawy, M					
9	United States	s8	R	1990's	1997	Movie	187	Dramas	Drama	119 min	Kevin Reyr	After one of his high s	11/1/19	Samuel L. Jackson, John Heard, Kelly Rowan, Clifton Collins Jr.,					
10	India	s9	TV-14	2010's	2019	Movie	706	Horror Movies, In	Horror	118 min	Shravan Ki	When a doctor goes r	4/1/19	Divya Dutta, Atul Kulkarni, Mohan Agashe, Anupam Shyam, Ra					
11	India	s10	TV-MA	2000's	2008	Movie	1920	Horror Movies, In	Horror	143 min	Vikram Bh	An architect and his v	12/15/17	Rajneesh Duggal, Adah Sharma, Indraneil Sengupta, Anjori Alag					
12	United States	s11	TV-MA	2010's	2017	Movie	1922	Dramas, Thrillers	Drama	103 min	Zak Hilditc	A farmer pens a confc	10/20/17	Thomas Jane, Molly Parker, Dylan Schmid, Kaitlyn Bernard, Bob					
13	Poland, United Sta	s12	TV-MA	2010's	2018	TV Show	1983	Crime TV Shows, I	Crime	1 Season		In this dark alt-history	11/30/18	Robert Więckiewicz, Maciej Musiał, Michalina Olszańska, Andr					
14	Mexico	s13	TV-MA	2010's	2019	TV Show	1994	Crime TV Shows, I	Crime	1 Season	Diego Enri	Archival video and ne	5/17/19						
15	Thailand	s14	TV-MA	2010's	2018	Movie	2,215	Documentaries, Ir	Documentaries	89 min	Nottapon	This intimate docume	3/1/19	Artiwara Kongmalai					
16	United States	s15	R	2010's	2019	Movie	3022	Independent Mov	Fantasy	91 min	John Suits	Stranded when the Ea	3/19/20	Omar Epps, Kate Walsh, Miranda Cosgrove, Angus Macfadyen, .					
17	Nigeria	s16	TV-14	2010's	2014	Movie	1-Oct	Dramas, Internati	Drama	149 min	Kunle Afol	Against the backdrop	9/1/19	Sadiq Daba, David Baile, Kayode Olaiya, Kehinde Bankole, Fabi					
18	Norway, Iceland, L	s18	R	2010's	2018	Movie	22-Jul	Dramas, Thrillers	Drama	144 min	Paul Greer	After devastating terr	10/10/18	Anders Danielsen Lie, Jon Øigarden, Jonas Strand Gravli, Ola G.					
19	India	s19	TV-14	2010's	2019	Movie	15-Aug	Comedies, Drama	Comedy	124 min	Swapnane	On India's Independe	3/29/19	Rahul Pethe, Mrunmayee Deshpande, Adinath Kothare, Vaibhav					
20	United Kingdom	s20	TV-PG	2010's	2017	Movie	'89	Sports Movies	International	87 min		Mixing old footage wi	5/16/18	Lee Dixon, Ian Wright, Paul Merson					
21	India	s21	TV-14	2010's	2018	Movie	Kuch Bheege A	Dramas, Independ	Drama	110 min	Onir	After accidentally cor	9/1/18	Geetanjali Thapa, Zain Khan Durrani, Shray Rai Tiwari, Mona An					
22	India	s22	TV-14	2010's	2018	Movie	Goli Soda 2	Action & Adventu	Action	128 min	Vijay Miltc	A taxi driver, a gangst	9/15/18	Samuthirakani, Bharath Seeni, Vinooth, Esakki Barath, Chemban					
23	India	s23	TV-14	2010's	2017	Movie	Maj Rati ketek	Dramas, Internati	Drama	117 min	Santwana	A successful writer re	9/15/18	Adil Hussain, Shakil Imtiaz, Mahendra Rabha, Sulakshana Barua					
24	India	s24	TV-14	2010's	2017	Movie	Mayurakshi	Dramas, Internati	Drama	100 min	Atanu Gho	When a middle-aged i	9/15/18	Soumitra Chatterjee, Prasenjit Chatterjee, Indrani Halder, Sudip					
25	Japan	s25	TV-14	2020's	2020	TV Show	SAINT SEIYA: K	Anime Series, Inte	Anime	2 Seasons		Selya and the Knights	1/23/20	Bryson Baugus, Emily Neves, Blake Shepard, Patrick Poole, Luci					
26	United States	s26	NR	2010's	2015	Movie	(T)ERROR	Documentaries	Documentaries	84 min		This real-life look at F	6/30/16						
27	United States	s27	TV-MA	2020's	2020	TV Show	(Un)Well	Reality TV	International	1 Season	Lyric R. Ca	This docuseries takes	8/12/20						
28	South Korea	s28	TV-MA	2020's	2020	Movie	#Alive	Horror Movies, In	Horror	99 min	Cho Il	As a grisly virus ramp	9/8/20	Yoo Ah-in, Park Shin-hye					
29	Italy	s29	TV-14	2010's	2019	Movie	#AnneFrank - P	Documentaries, Ir	Documentaries	95 min	Sabina Fed	Through her diary, Ani	7/1/20	Helen Mirren, Gengher Gatti					
30	United States	s30	TV-MA	2020's	2020	TV Show	#blackAF	TV Comedies	Comedy	1 Season	Kenya Barris	and his fi	4/17/20	Kenya Barris, Rashida Jones, Iman Benson, Genneya Walton, Sc					

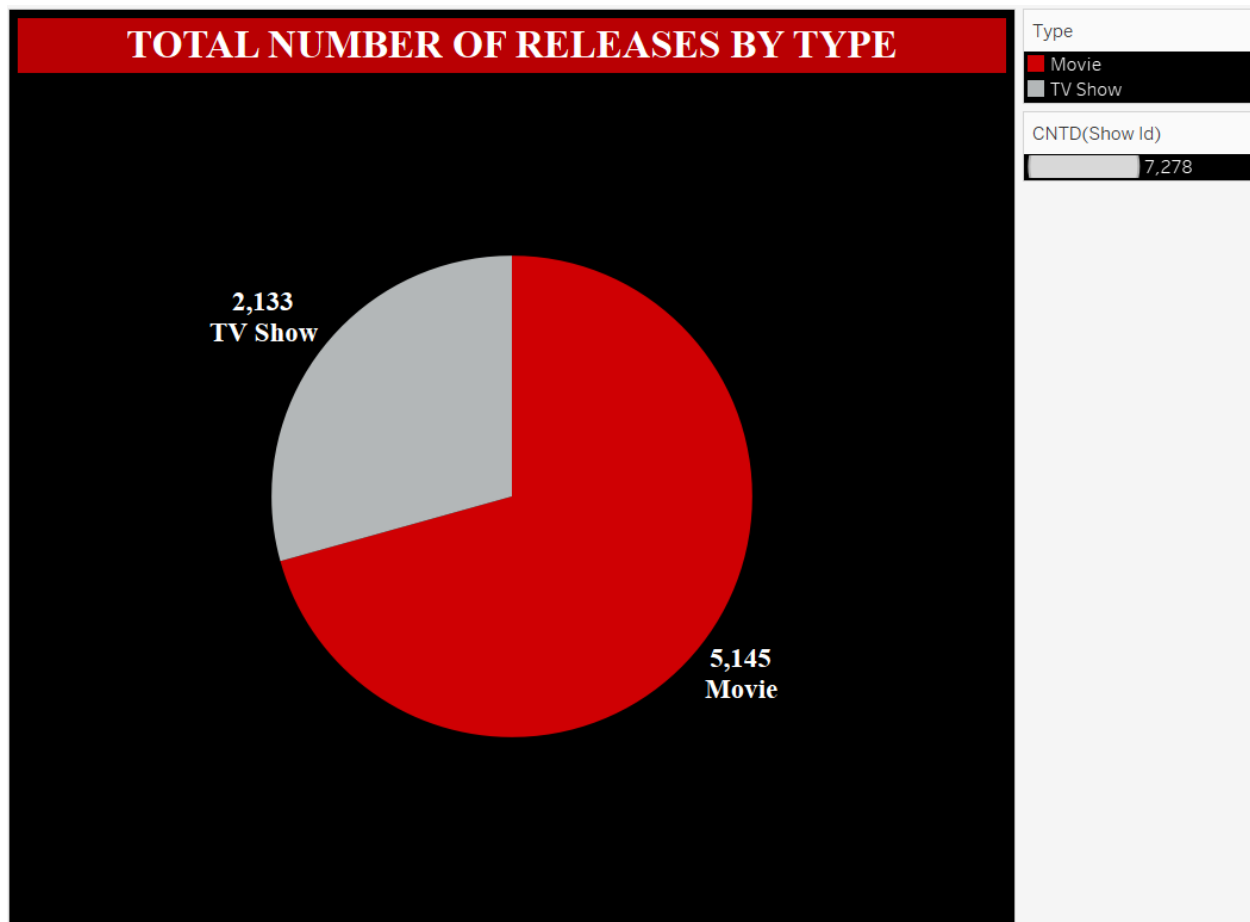
This is how our data looked in MS-Excel.

Visualization 1:



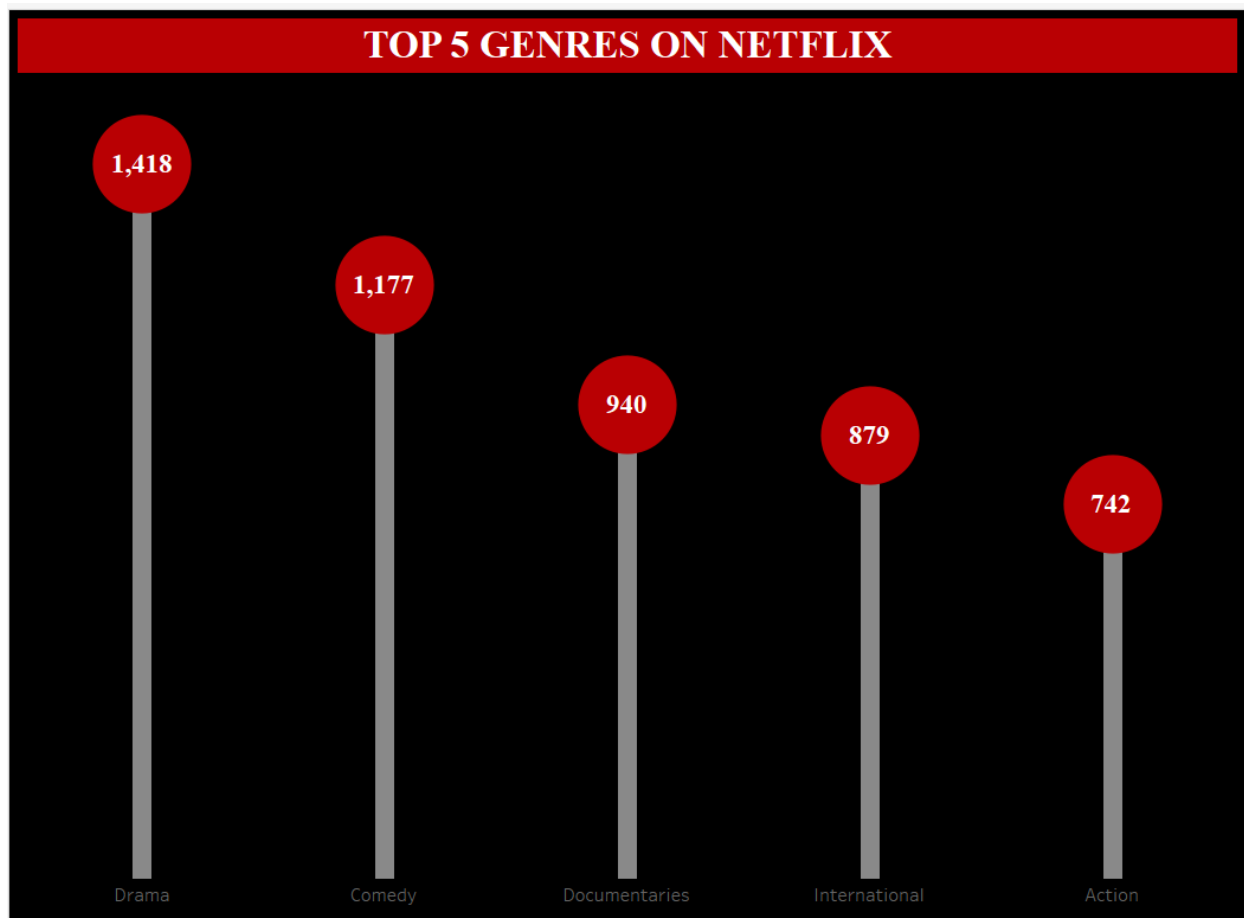
- The above visualization tells us country wise distribution of how many TV shows/ Movies were released in the year 2008-2021.

Visualization 2:



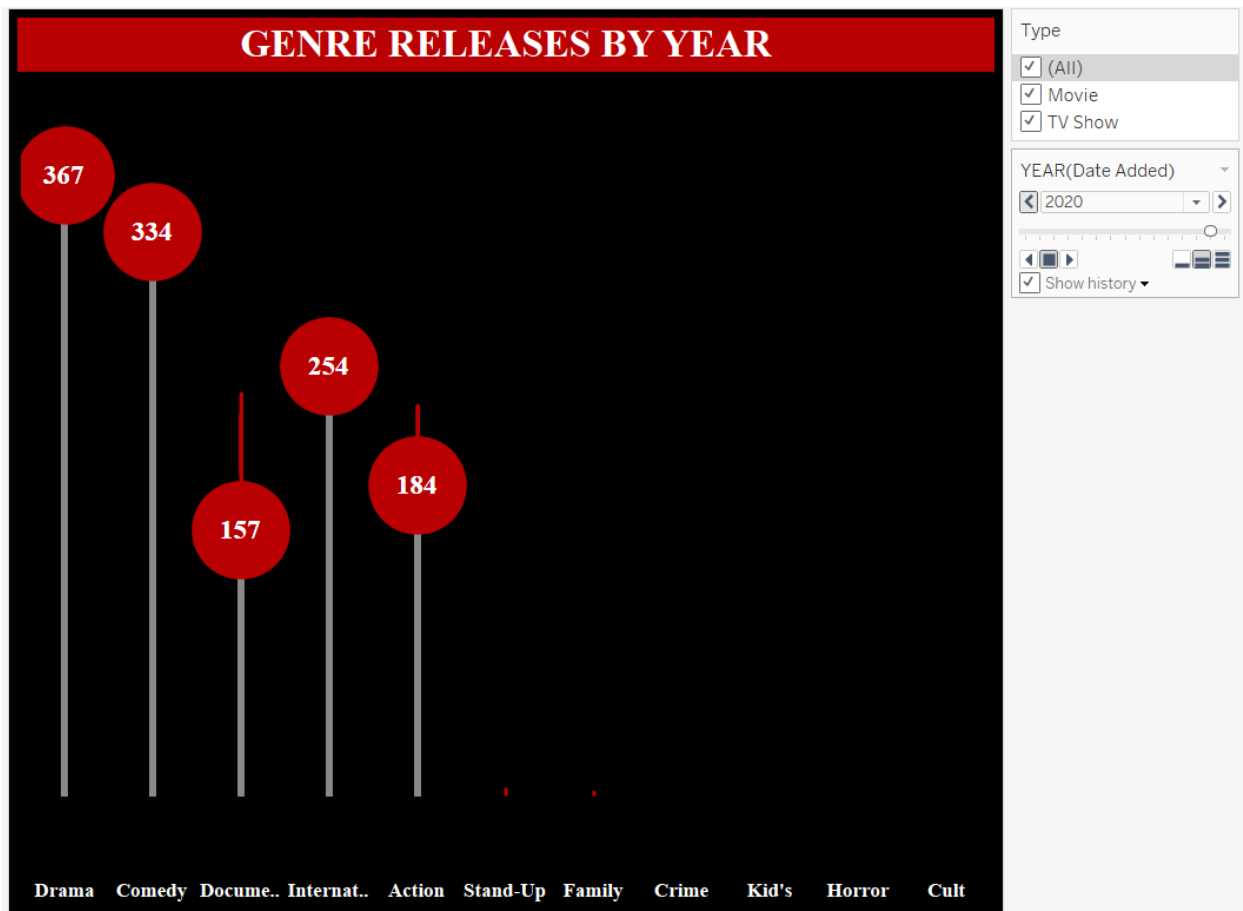
- This distribution gives the split between number of TV shows and number of movies released on Netflix from year 2008 through 2013.
- We can infer that in 2008 until 2021, these were the two types of content released on Netflix.

Visualization 3:



- There are total 15 genres released in the year 2008-2021.
- Among those 15, drama, comedy, documentaries, international and action are the top five genre in which highest number of shows/movies have been released over the years 2008-2021.
- Drama being on the highest, we can say that the audience prefer watching drama the most which might be the reason for Netflix to release content in that specific category.

Visualization 4:



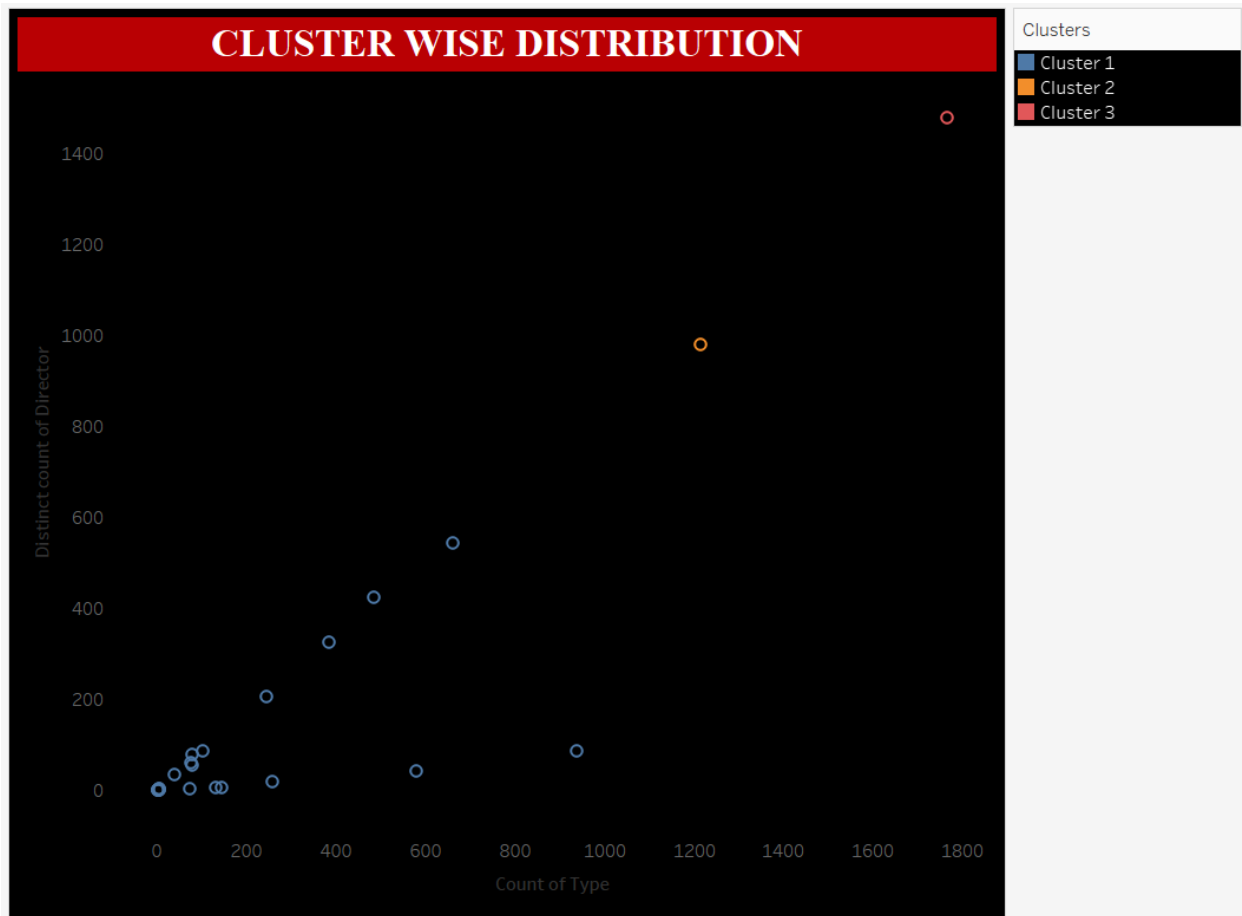
- This is an interactive visualization that tells us the number of content released every year in each genre based on total (movies + tv shows), only movies and only TV shows.
- From this we can find out which genre is in most demand and if there's been increase in the particular genre as we go by the years.
- We can also see which type of content is lacking and suggest content accordingly, since an OTT platform should be containing a wide range of variety.
- In the years 2018-2020, high number of content were released but in the year 2021 we can see there's been significant drop in the numbers.
- The reason for this could be that in 2019-2020 covid hit, all countries were on lockdown thus making it impossible to shoot and release new content.

Visualization 5:



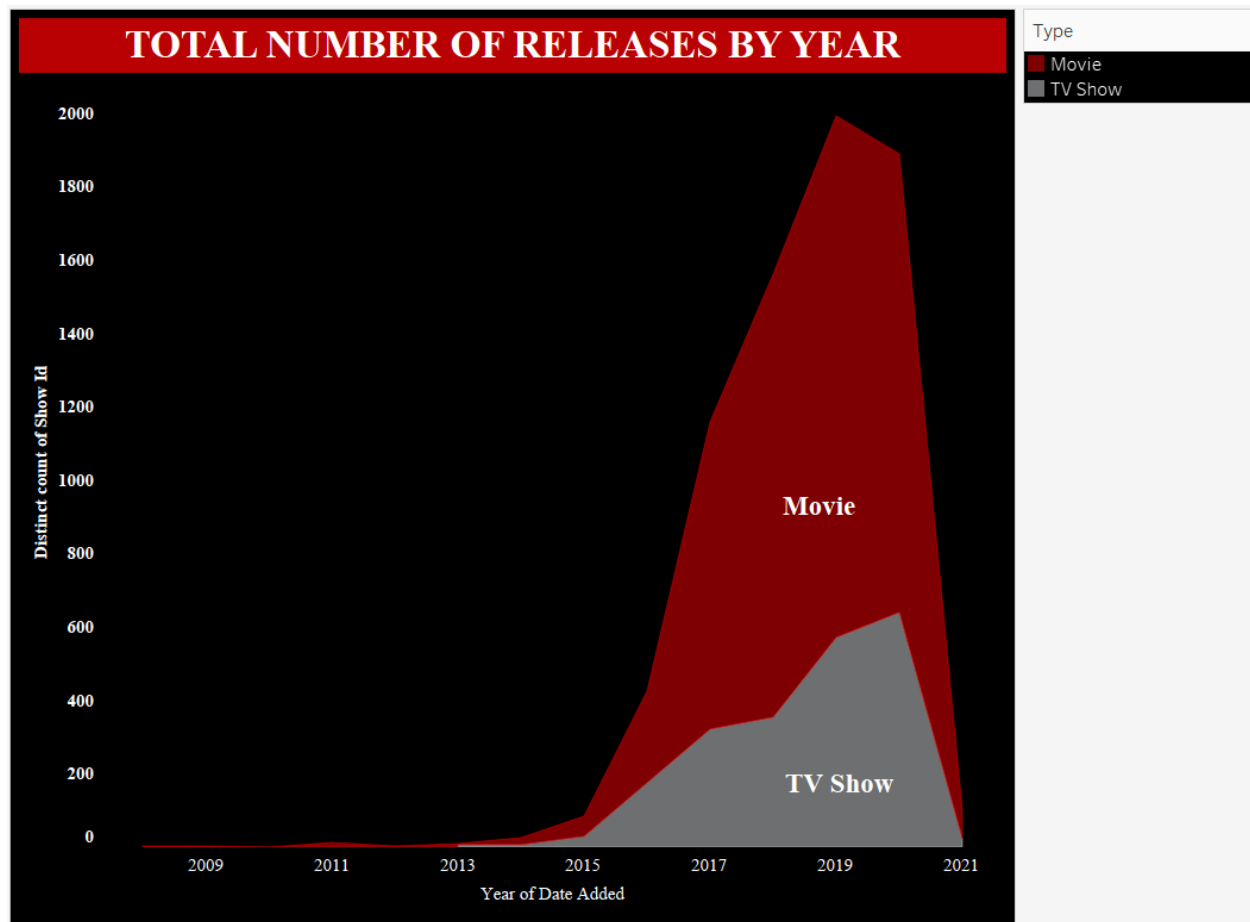
- This visualization tells us which director released which type of content and the number of content they made under that specific genre.

Visualization 6:



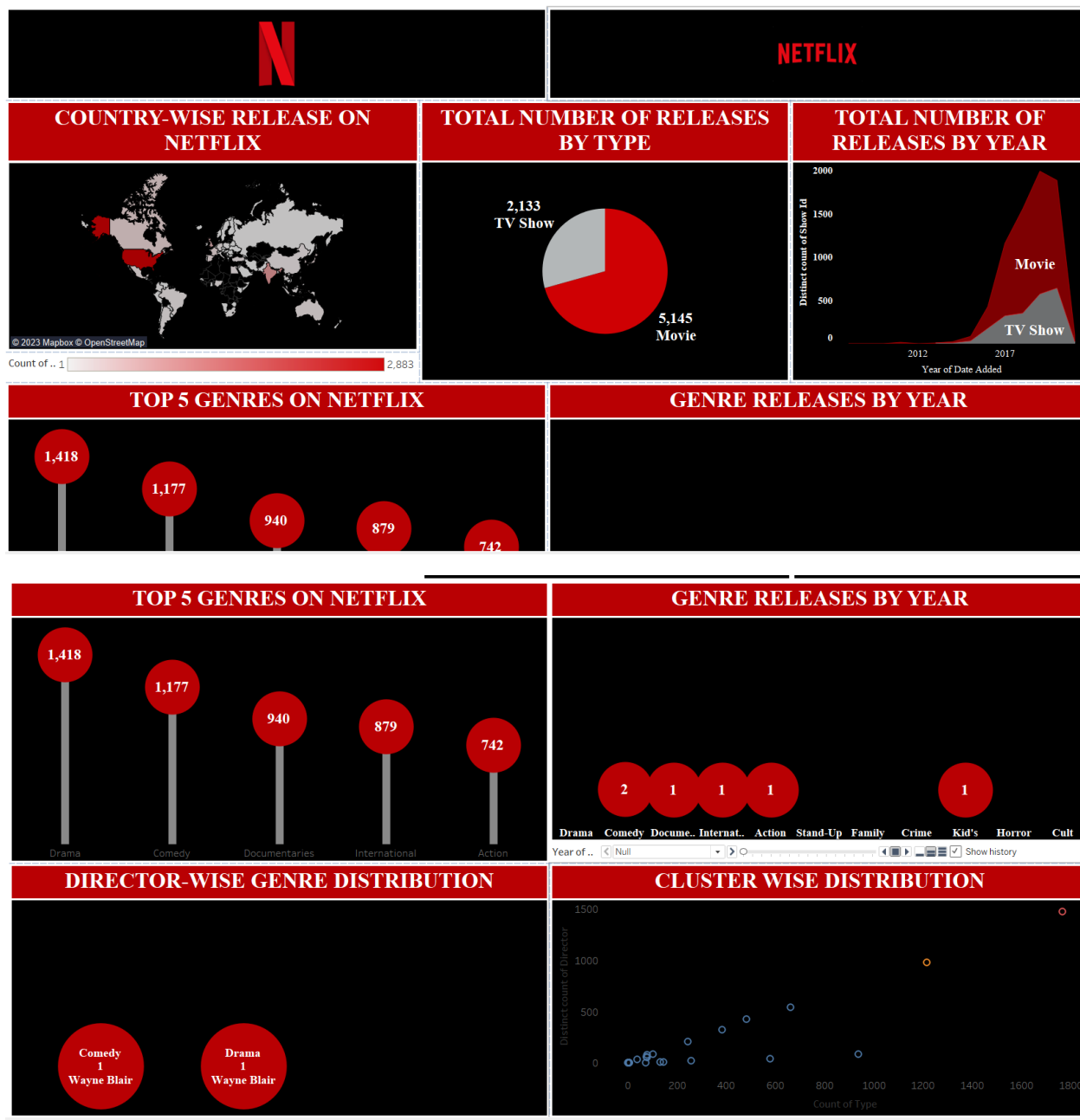
- This visualization gives us 3 clusters, each cluster divided into some range.
- Each point gives the details about the cluster number, rating, type of content, number of content and distinct number of directors that directed those shows/movie.

Visualization 7:



- Above visualization shows the number of Movies & TV Shows released on a yearly basis.
- The number of content for both grew significantly in the later years as compared to the initial years.
- We can say that people started adapting OTT over cable which resulted in addition of greater amount of content on Netflix, especially after the year 2015.

Dashboard:



- This is an interactive dashboard.
- If we click on any country in the first visualization, the others will change accordingly giving information related to that specific country.
- We can get country wise insights for the Netflix data for the years 2008-2021 from this dashboard.