

DATA ANALYTICS CASE STUDY

EXPLORING MOVIES
AND TV SHOWS

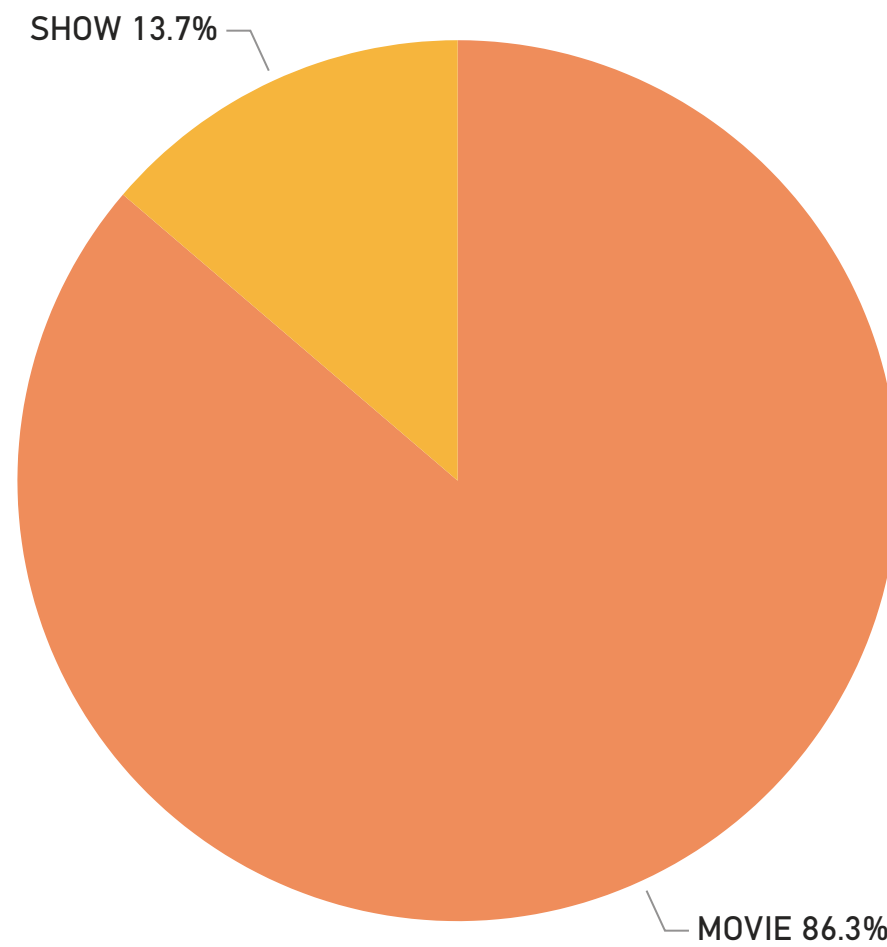


About Dataset

Amazon Prime Video - Movies and TV Shows

- This data set was created to list all shows available on Amazon Prime streaming, and analyze the data to find interesting facts. This data was acquired in May 2022 containing data available in the United States. This dataset has two files containing the titles (titles.csv) and the cast (credits.csv) for the title.
- This dataset contains +9k unique titles on Amazon Prime with 15 columns containing their information, including:
 - id: The title ID on JustWatch.
 - title: The name of the title.
 - show_type: TV show or movie.
 - description: A brief description.
 - release_year: The release year.
 - age_certification: The age certification.
 - runtime: The length of the episode (SHOW) or movie.
 - genres: A list of genres.
 - production_countries: A list of countries that produced the title.
 - seasons: Number of seasons if it's a SHOW.
 - imdb_id: The title ID on IMDB.
 - imdb_score: Score on IMDB.
 - imdb_votes: Votes on IMDB.
 - tmdb_popularity: Popularity on TMDB.
 - tmdb_score: Score on TMDB.
- And over +124k credits of actors and directors on Amazon Prime titles with 5 columns containing their information:
 - person_ID: The person ID on JustWatch.
 - id: The title ID on JustWatch.
 - name: The actor or director's name.
 - character_name: The character name.
 - role: ACTOR or DIRECTOR.

How Many Movies and Tv Shows Are Present On Amazon Prime

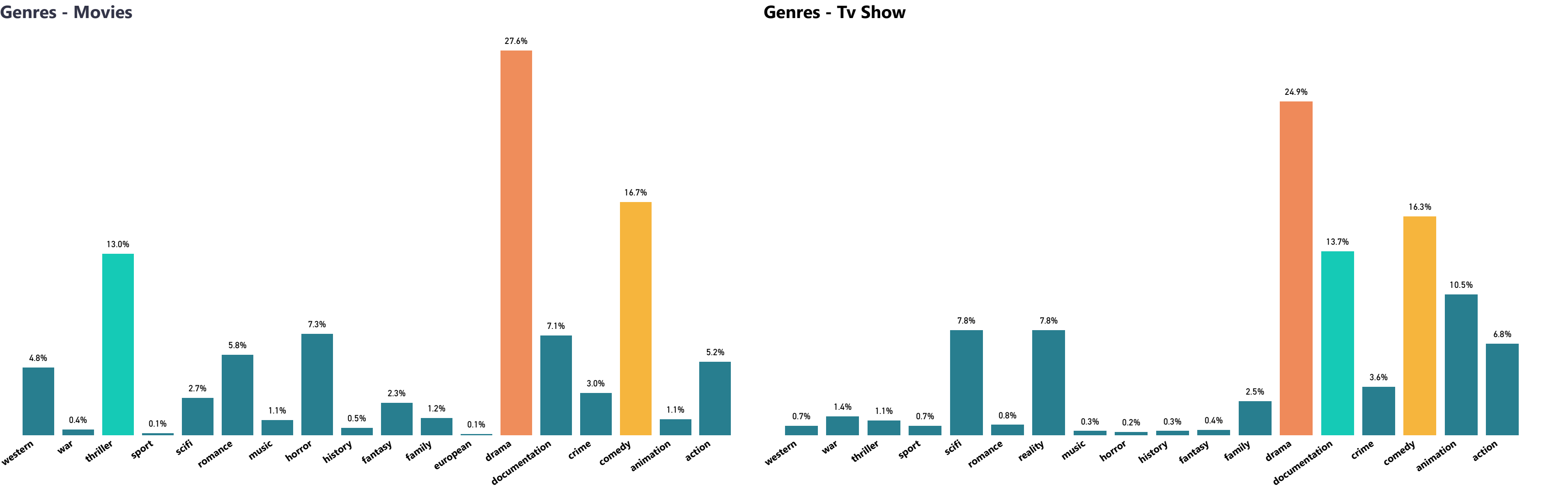


86.3% people love to watch movies.

Movie: A Recording of moving images that tells a story and that people watch on a **Screen or Television**.

TV Show: A **television show** – or simply TV show – is any content produced for viewing on a television set which can be broadcast via **over-the-air, satellite, or cable**.

What Type of Movies and Shows Are Mostly Present Based on Genres



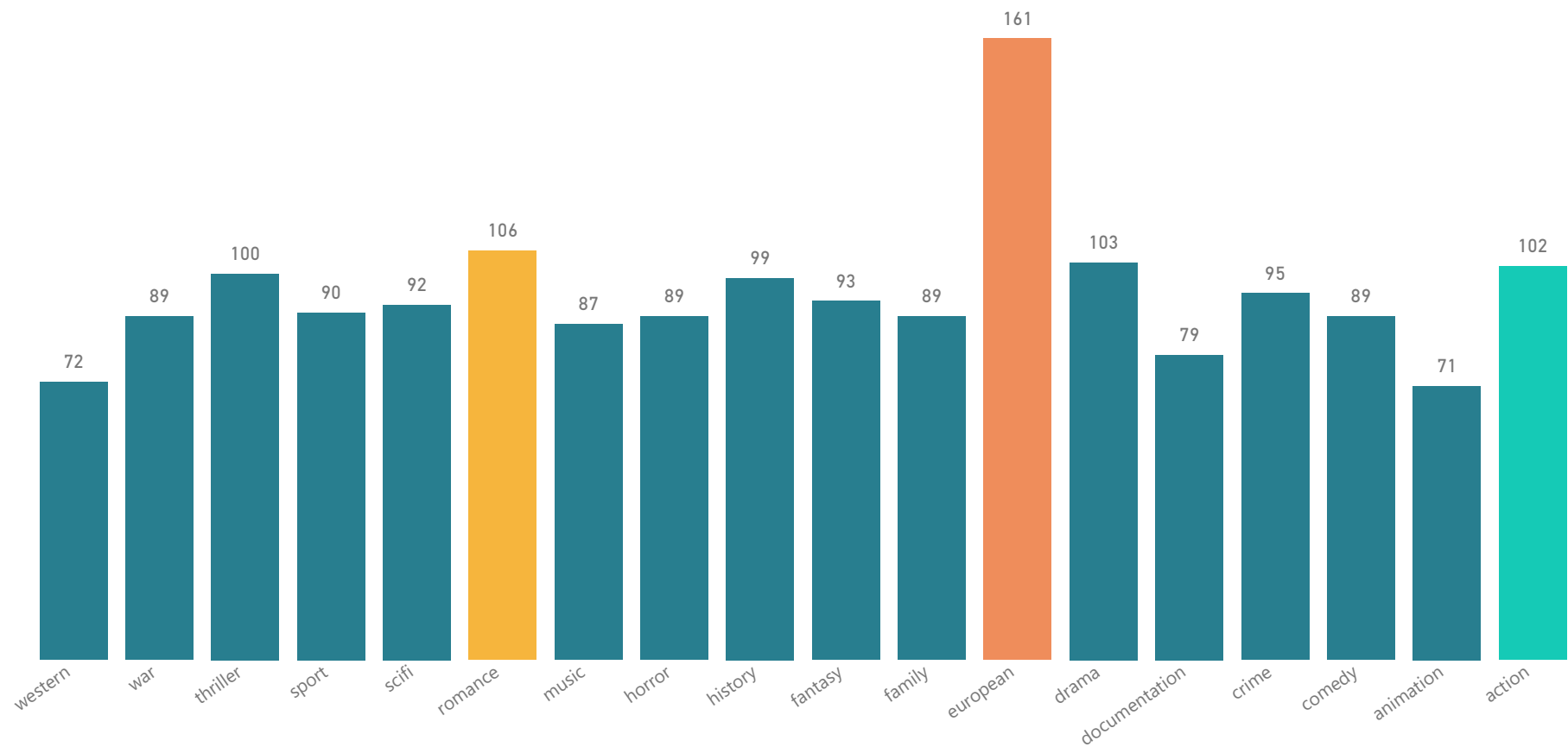
Drama, Comedy and Documentation are the most watched genre in TV shows.

Drama, Comedy and Thriller are the most watched genre in movies.

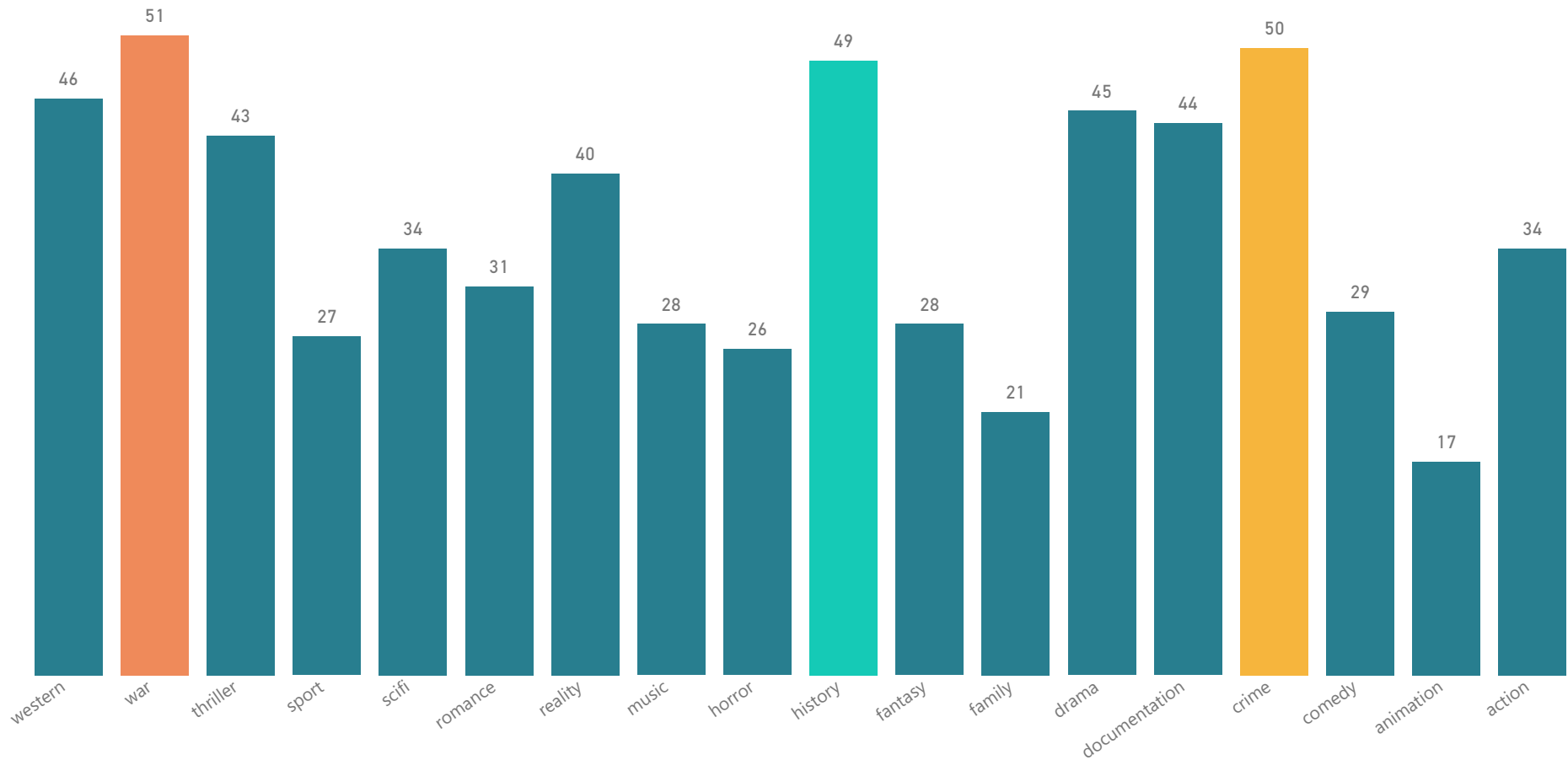


What is The Average Time of **Movies** By Genres And What is The Average Seasons of **Tv Shows** by Genres

Average time of Movies by Genres (Min)



Average Seasons of Tv Shows By Genres (Episodes)



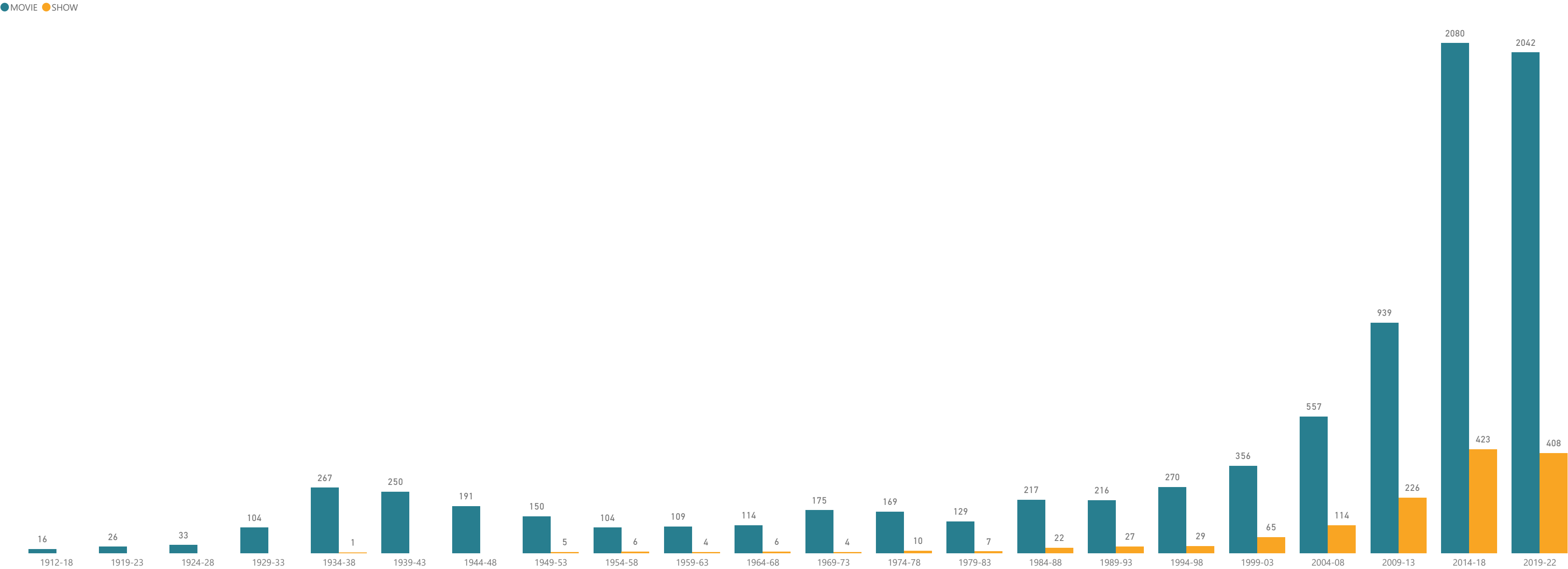
Average watched time in **TV shows** is between 35-45 Episodes.

Average watched time in **movies** is between 70-90 minutes.



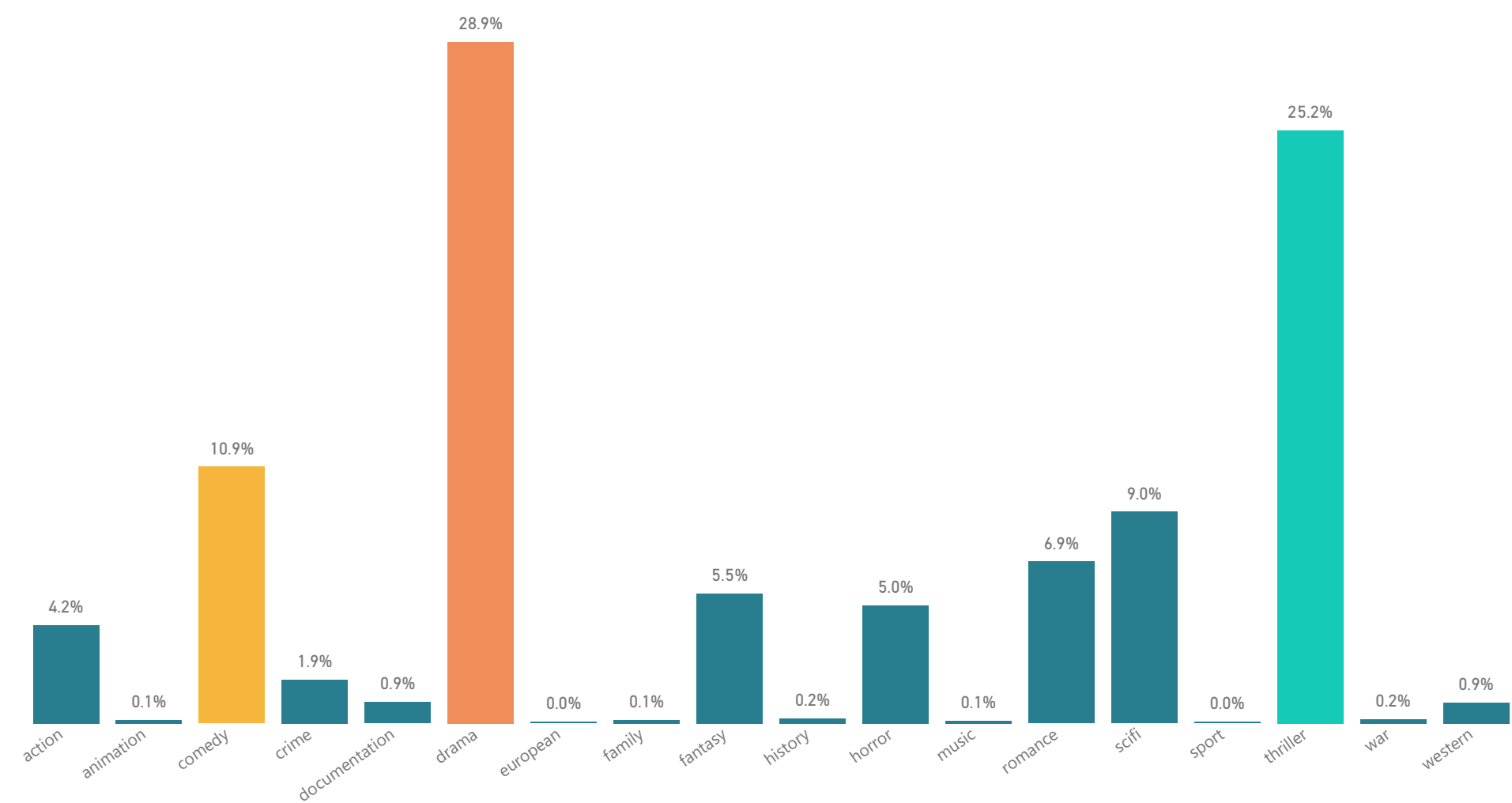
Each Year How Many Movies And Tv Shows Released

Drastic Increase of More Than 100% in Movies and TV Shows From Years 2014.



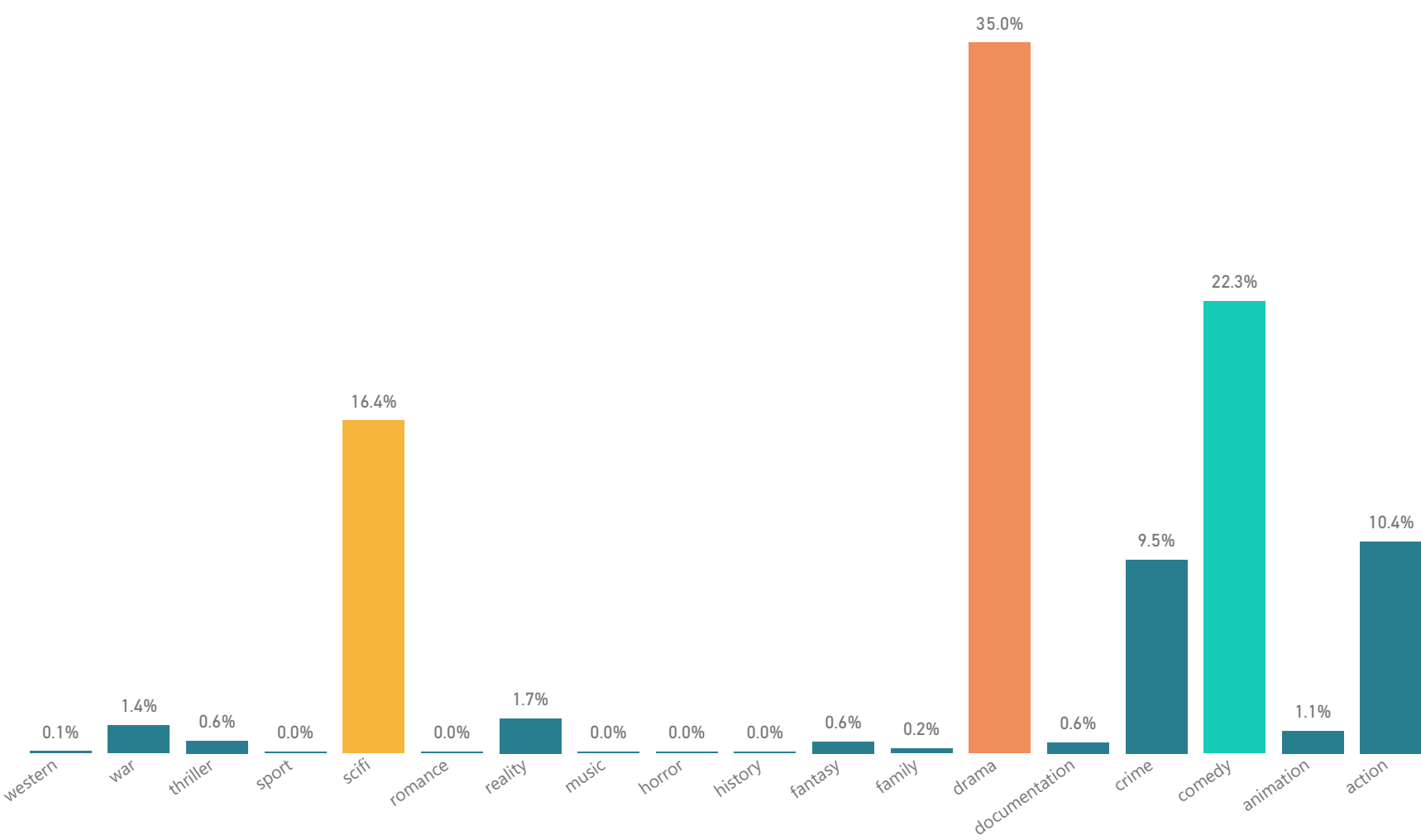
Genre Distribution Based on IMDB Votes Movies and TV Shows

IMDB Votes Movies



Drama and Thriller are the most Voted Genre in Movies.

IMDB Votes TV Shows

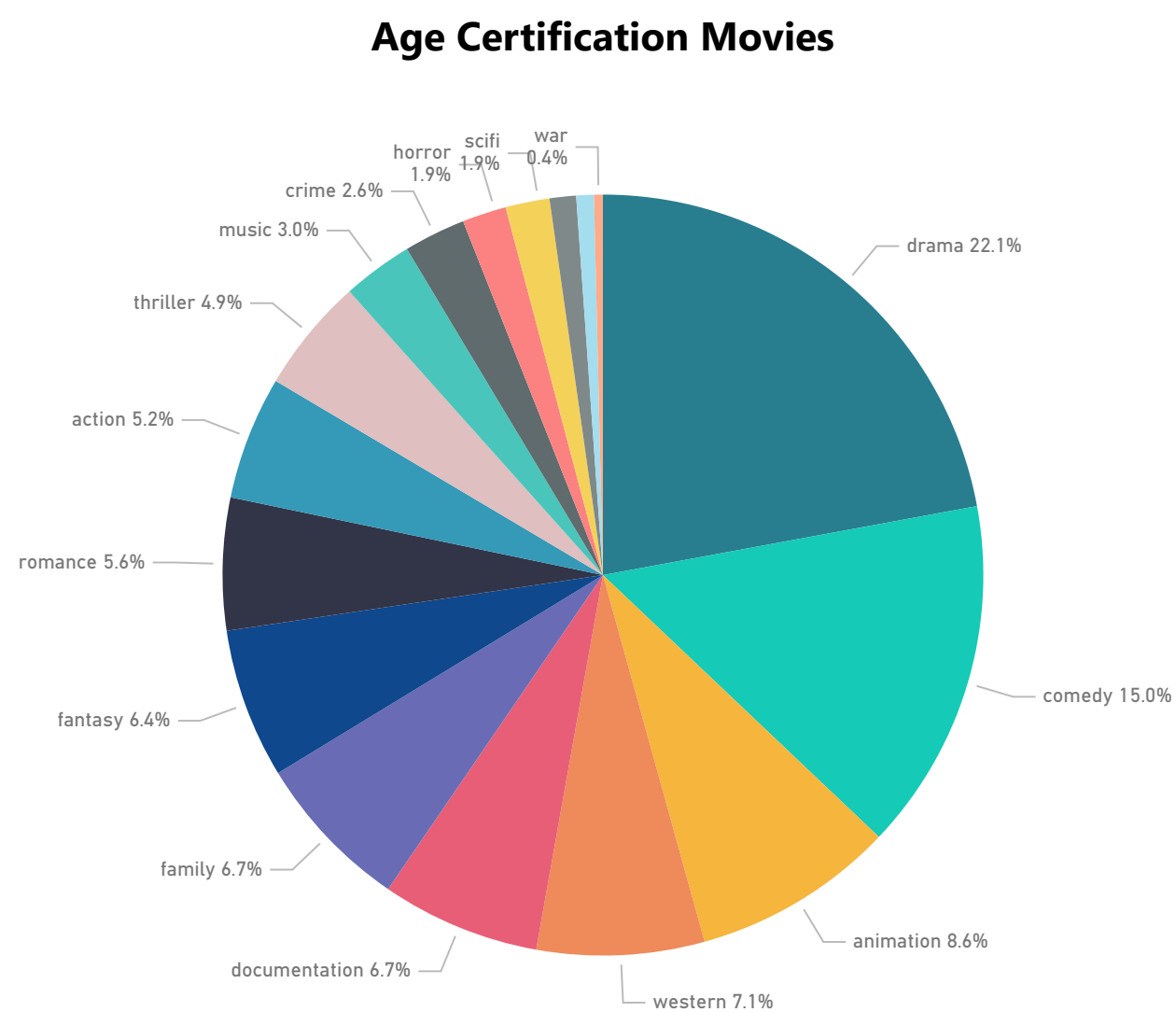


Drama and Comedy are the most Voted Genre in TV shows.

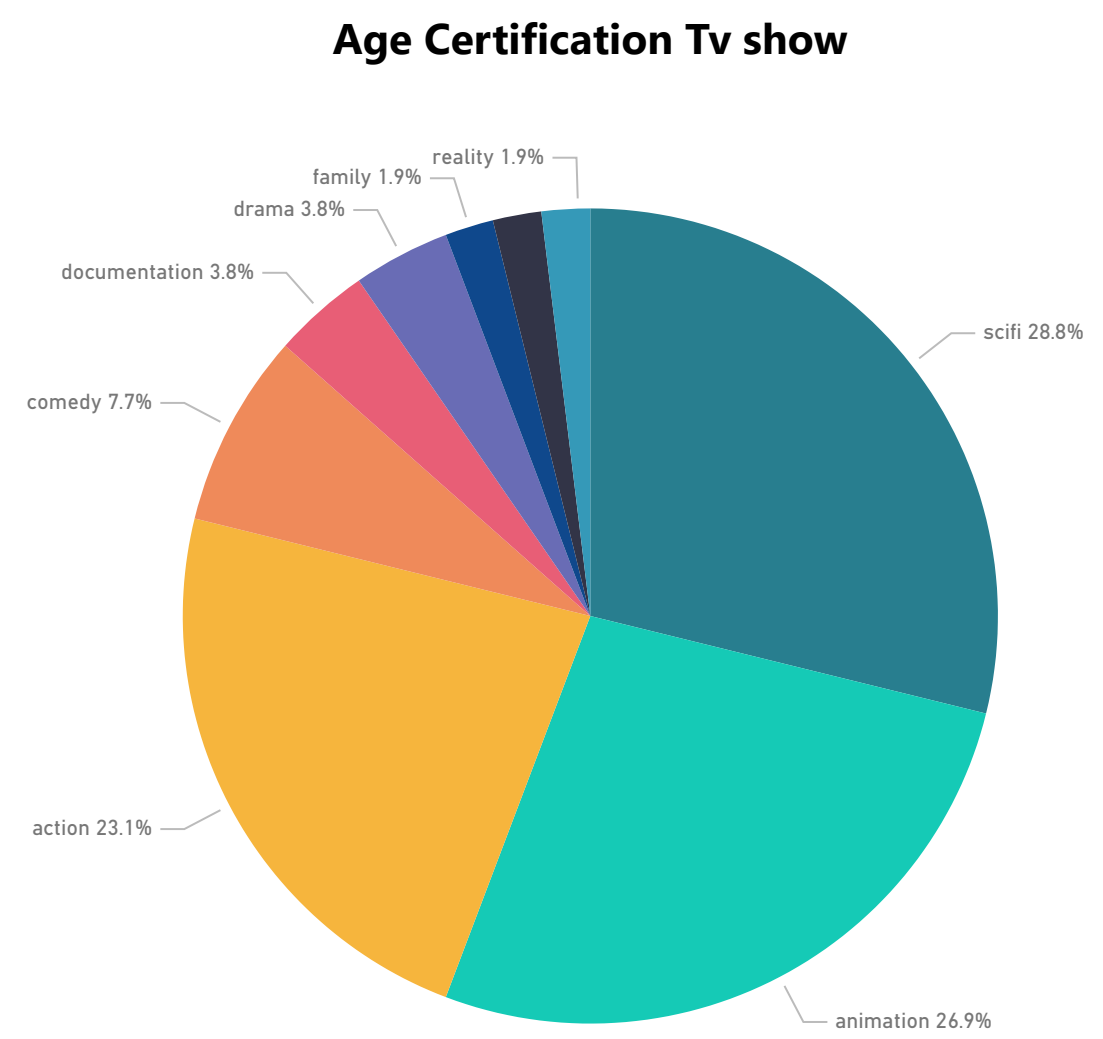


HOW Many Kids Movie and TV Shows Are Released Each Year In Terms of TV Rating

TV Rating For Kids TV-Y7, TV-Y7 ,G



It is generally observed that kids prefer the genres of drama and comedy when it comes to movies.



It's a general rule that kids prefer Scifi and animation shows in TV shows.



Top 10 Movies and Show On The Base No IMDB Scroce

Top 10 Movies

Genres	IMDB_Votes	Movie_Rank	Production_Countries	Release_Year	Title
drama	11,33,692.00	1	US	1,997.00	Titanic
thriller	10,59,480.00	2	US	1,995.00	The Usual Suspects
drama	10,16,629.00	3	US	1,995.00	Braveheart
thriller	9,67,864.00	4	US	1,999.00	The Sixth Sense
thriller	8,41,706.00	5	US, GB	1,984.00	The Terminator
thriller	6,84,779.00	6	US, GB	2,012.00	Skyfall
scifi	6,70,344.00	7	ZA, US, NZ, CA	2,009.00	District 9
drama	6,69,220.00	8	US	2,016.00	Arrival
thriller	6,63,221.00	9	GB, US	1,996.00	Fargo
fantasy	6,59,470.00	10	US	2,001.00	Shrek

Titanic(Drama) is the most voted movie with 7.9 IMDB Rating

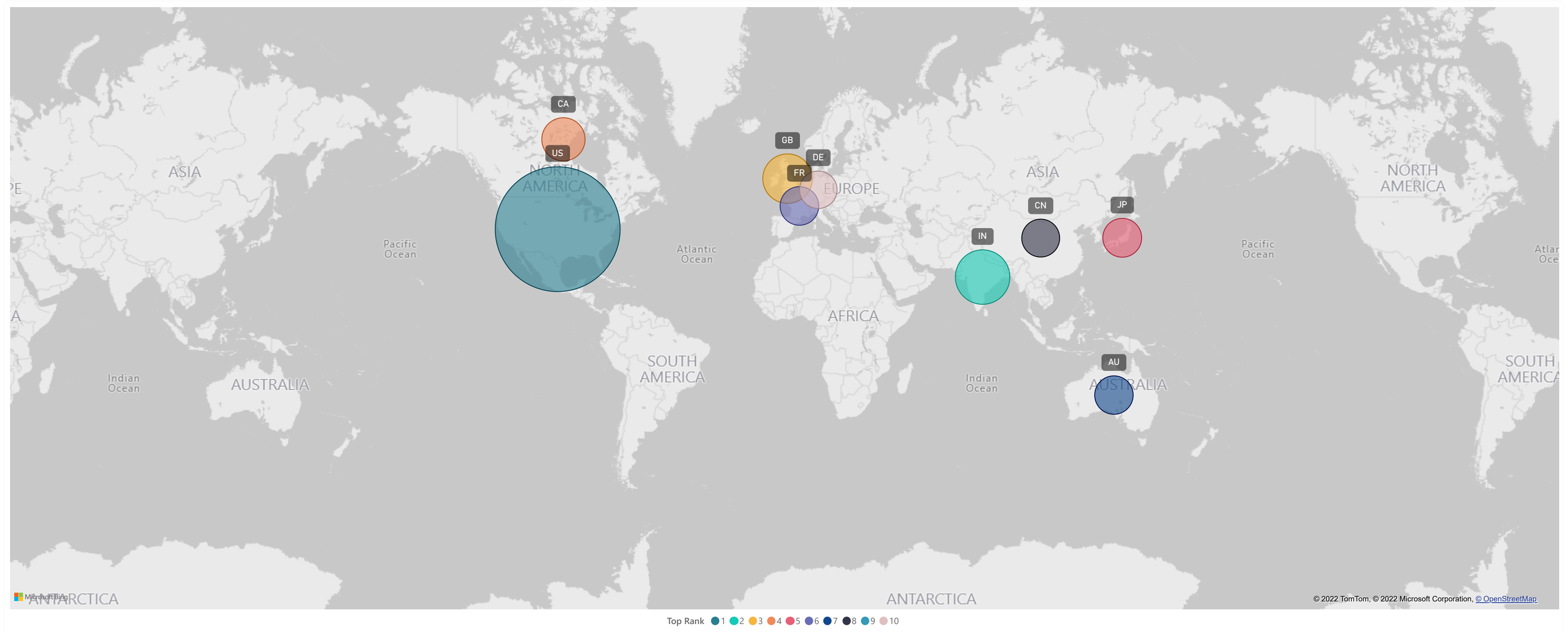
Top 10 Shows

Genres	IMDB_Votes	Production_Countries	Release_Year	Show_Rank	Title
drama	7,11,566.00	US	2,006.00	1	Dexter
comedy	6,61,972.00	US	2,005.00	2	How I Met Your Mother
action	5,08,388.00	CA	2,013.00	3	Vikings
drama	4,48,480.00	US	2,004.00	4	House
comedy	4,04,920.00	US	2,015.00	5	Better Call Saul
drama	3,95,600.00	US	2,011.00	6	Suits
crime	3,73,828.00	US	2,015.00	7	Mr. Robot
scifi	3,62,539.00	US	2,019.00	8	The Boys
scifi	3,04,893.00	US	2,011.00	9	American Horror Story
comedy	2,52,564.00	US	2,009.00	10	Community

Viking(Action) is the most viewed TV show with 8.5 IMDB Rating



Production Countries



•A large number of movies and television shows are produced in the USA, India, and the United Kingdom