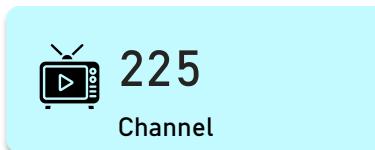
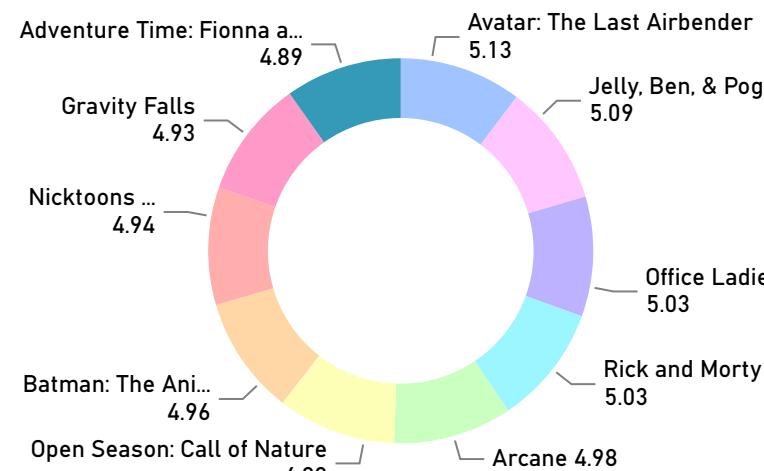


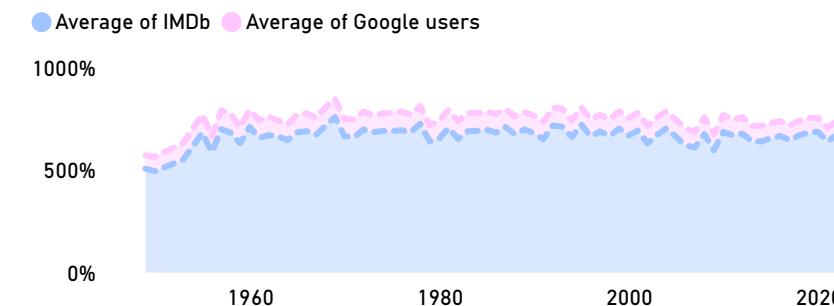
# ANIMATED SERIES DASHBOARD



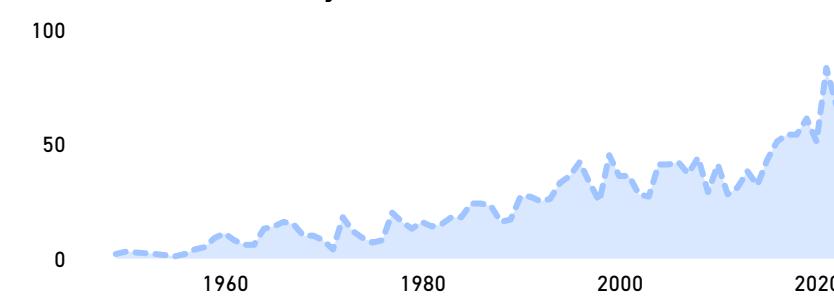
## Top Animated Shows



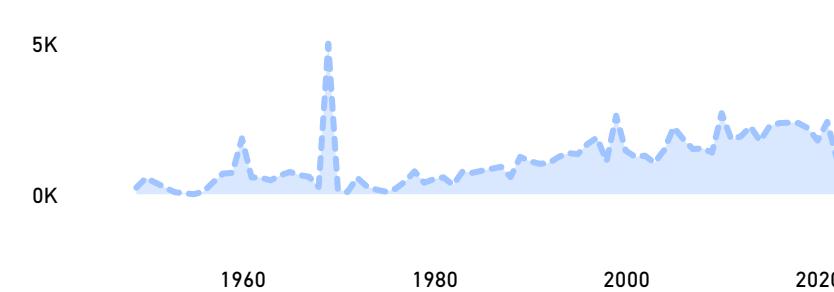
## Average IMDb & Google Rating by Year



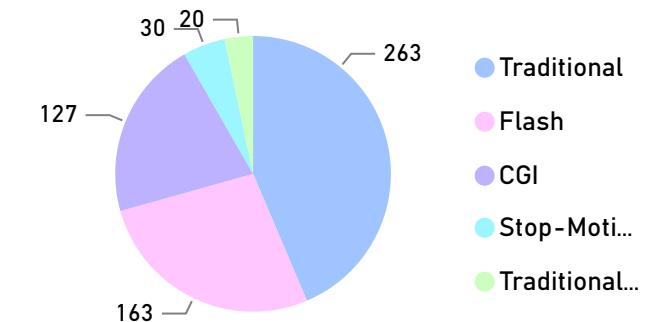
## Number of Shows by Year



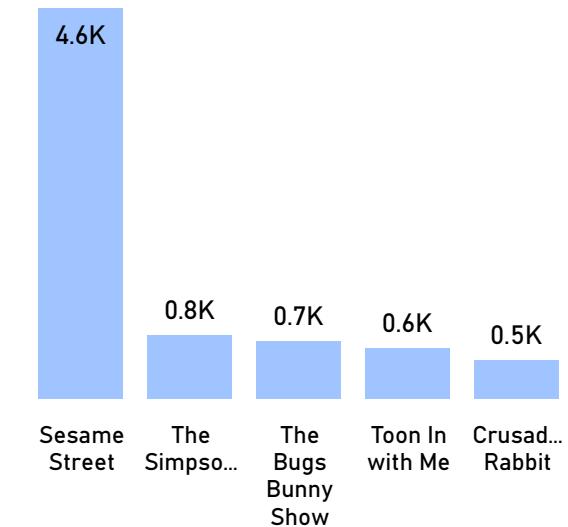
## Number of Episodes by Year



## Most Used Technique



## Shows with Most Episodes

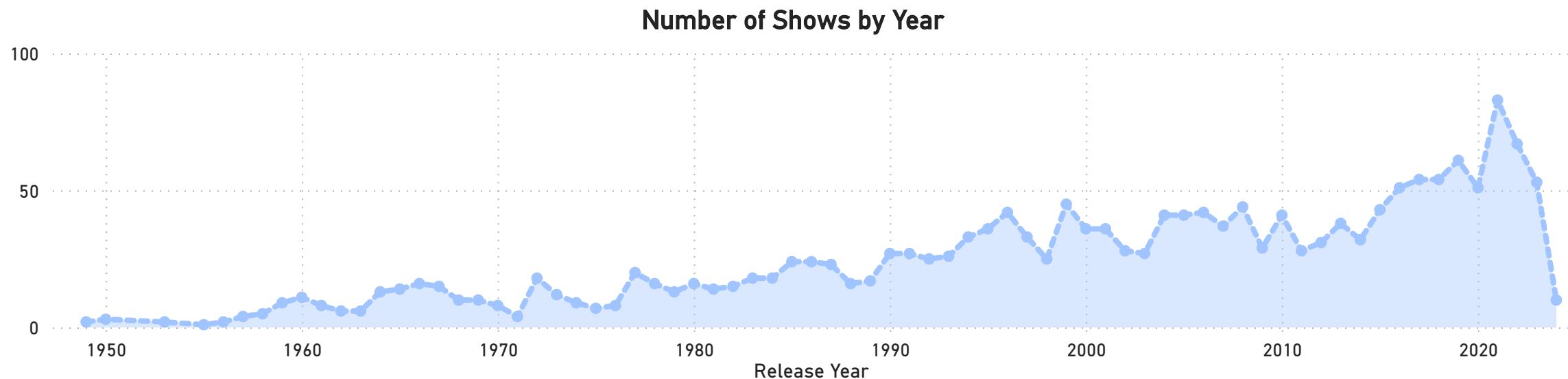


# ANIMATED SERIES ANALYSIS

## *Animated series releases over time*

The area chart visualizes the number of titles released per year in the animated series industry. Each area represents a year, providing insight into the trend of releases over the analyzed period.

- . 2021 had the highest number of shows, followed by 2022 and 2019.
- . The number of animated TV shows released per year ranged from 1 to 83 across 73 years.
- . In 2021, the highest number of shows was recorded at 83, which was a significant increase of 8,200.00% compared to the lowest number of shows in 1955, which was only 1.



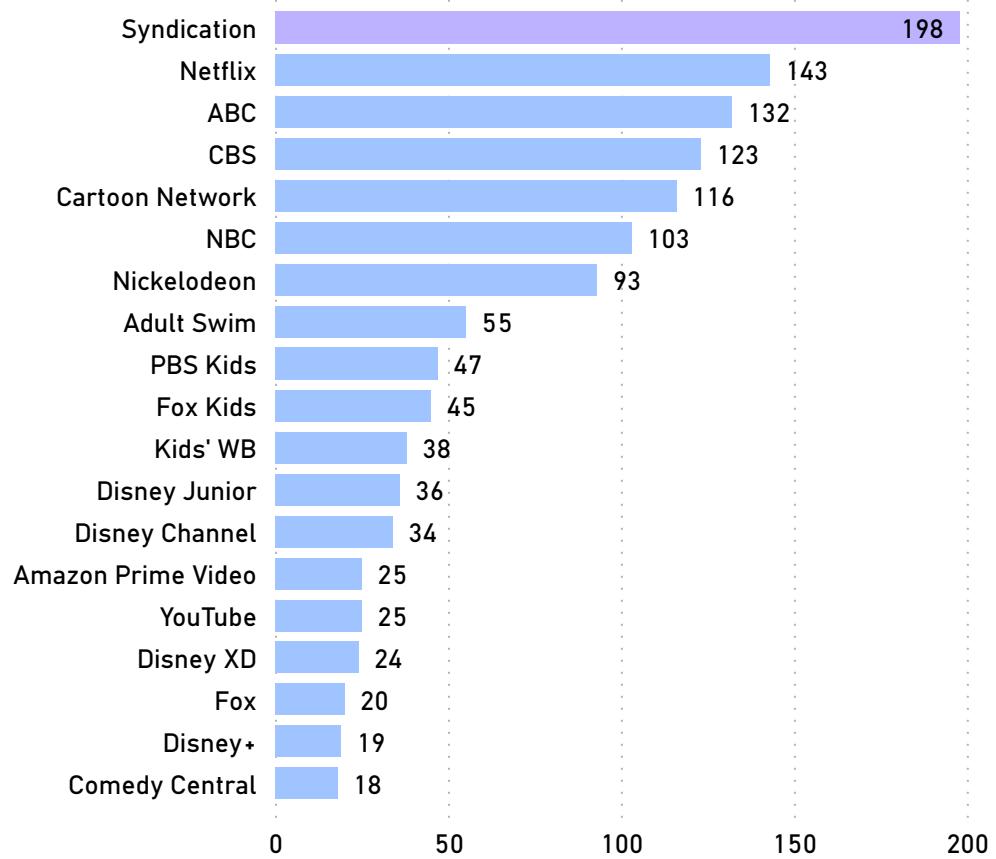
# ANIMATED SERIES ANALYSIS

## *Distribution of animated series by channel*

The clustered bar chart illustrates the number of titles released on each channel. Each bar represents a channel, providing insight into the distribution of series across different platforms.

- Across all **225** original channels analyzed, the total number of shows aired ranged from **1** to **198**.
- The channel with the highest number of shows aired was **Syndication**, totaling **198**. This high number is often because syndication includes multiple local and regional networks that broadcast a wide variety of content, including animated series from different production studios.
- Following Syndication, other notable channels with a significant number of shows aired include **Netflix, ABC, CBS, and Cartoon Network**.
- Out of the 225 channels, **130** channels only aired **1** show each, suggesting a wide distribution of content across various channels.

**TV Shows Distribution Across Channels**



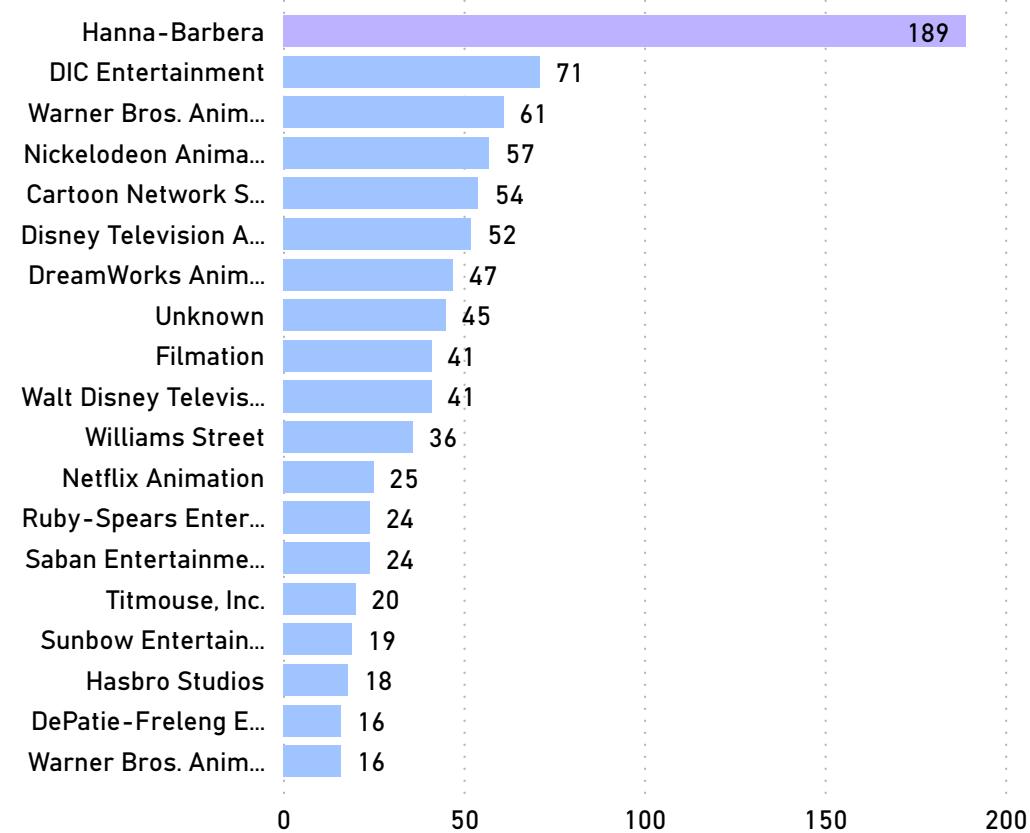
# ANIMATED SERIES ANALYSIS

## *Distribution of animated shows by production companies*

The clustered bar chart illustrates the number of shows produced by different production companies. Each bar represents a production company, providing insight into the distribution of shows across various companies.

- **Hanna-Barbera** led with **189 shows**, reflecting its extensive history and contribution to the animation industry.
- Other significant producers included **DIC Entertainment**, **Warner Bros. Animation**, **Nickelodeon Animation Studios**, and **Cartoon Network Studios**.
- Across **505** production companies analyzed, show counts ranged from **1** to **189**.
- **162** of these companies produced only **1** show each, highlighting the diversity of contributors in the animated series market.

**TV Shows Released by Production Companies**

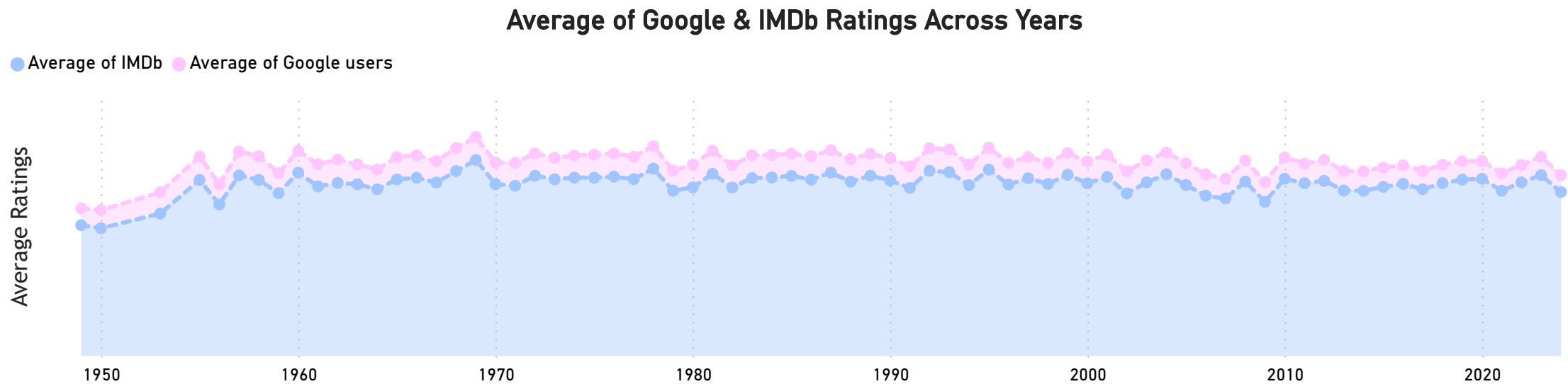


# ANIMATED SERIES ANALYSIS

## *Comparison of IMDb and Google ratings across years*

The stacked area chart visualizes the comparison of average IMDb and Google ratings across different years.

- The **highest** average IMDb rating was **7.57** in **1969**, marking a **53.45%** increase over the **lowest** rating of **4.93** in **1950**.
- There exists a **positive correlation** between the average IMDb and Google ratings.
- The **greatest disparity** between IMDb and Google ratings occurred in **1969**, with IMDb ratings being **6.68** points higher.
- Across all **73** release years, IMDb ratings ranged from **4.93** to **7.57**, while Google ratings ranged from **65.00%** to **92.00%**.

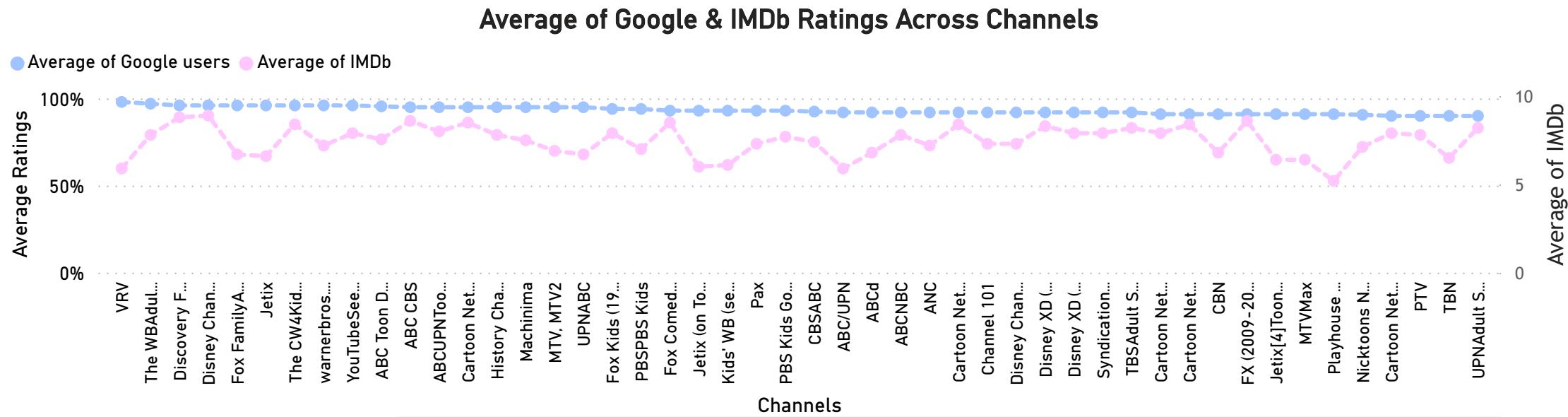


# ANIMATED SERIES ANALYSIS

## Comparison of IMDb and Google ratings across channels

The line chart compares the average ratings of IMDb and Google across different channels.

- The highest average Google rating was 98.00% for VRV, representing an 880.00% increase over the lowest rating of 10.00% for ABC Family.
- There exists a negative correlation between the Google ratings and the IMDb ratings.
- The greatest disparity between IMDb and Google ratings occurred for BYUtv, with IMDb ratings being 815.00% higher.
- Across all 225 channels, average Google ratings ranged from 10.00% to 98.00%, while IMDb ratings ranged from 1.50 to 8.90.

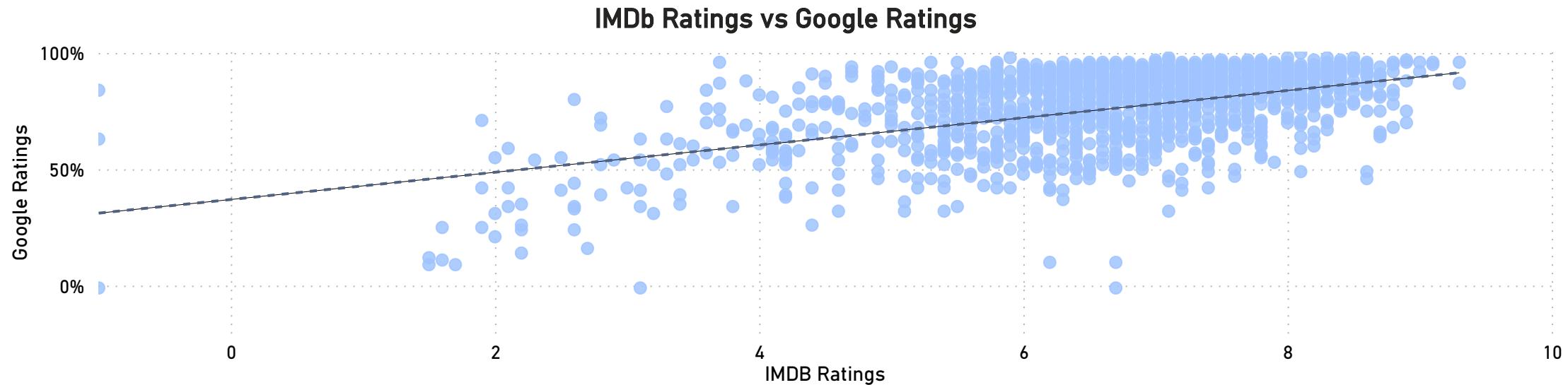


# ANIMATED SERIES ANALYSIS

## *Relationship between IMDb and Google ratings for animated series*

The scatter plot visually represents the relationship between IMDb and Google ratings for animated series

- The plot demonstrates a **general trend** where series with higher Google ratings also tend to have higher IMDb Ratings, indicating a **positive correlation** between the two rating metrics.



# ANIMATED SERIES ANALYSIS

## Average episodes per year

The two tables below present the top TV shows based on ratings, with one table focusing on Google ratings and the other on IMDb ratings. Each table lists the top-rated TV shows along with their respective ratings.

**Top TV Shows by Google Ratings**

Title	Google users
Bee and PuppyCat: Lazy in Space	98.00%
Braigames	98.00%
DC Super Hero Girls (2015)	97.00%
Downtown	98.00%
Epithet Erased	98.00%
Gary & Mike	97.00%
Hanna-Barbera's World of Super Adventure	97.00%
Mina and the Count	98.00%
Misterjaw	98.00%
The Wonderful Stories of Professor Kitzel	100.00%

**Top TV Shows by IMDb Ratings**

Title	IMDb
Adventure Time: Fionna and Cake	8.90
Face's Music Party	8.90
Gravity Falls	8.90
Arcane	9.00
Batman: The Animated Series	9.00
Open Season: Call of Nature	9.00
Office Ladies: The Animated Series	9.10
Rick and Morty	9.10
Avatar: The Last Airbender	9.30
Jelly, Ben, & Pogo	9.30

# ANIMATED SERIES ANALYSIS

## ***Most popular series of each year based on ratings***

Below are two tables displaying the most popular series of each year according to IMDb ratings and Google ratings:

### **Most Popular TV Shows of Each Year Acc. to IMDb Ratings**

Release Year	Most Popular Series
2002	3-South
2009	Archer
1971	Archie's TV Funnies
2005	Avatar: The Last Airbender
2007	Back at the Barnyard
1992	Batman: The Animated Series
1993	Beavis and Butt-Head
1958	Bozo: The World's Most Famous Clown
1983	Braingames
1995	Cartoon Planet
1999	Crashbox
1950	Crusader Rabbit
1982	Curious George (1982)
1961	Davey and Goliath
2024	Dee & Friends in Oz
1970	Doctor Dolittle
1984	D-TV
1991	Goldie Gold and Action Jack

### **Most Popular TV Shows of Each Year Acc. to Google Ratings**

Release Year	Most Popular Series Acc. Google
2024	The Second Best Hospital in the Galaxy
2023	Open Season: Call of Nature
2022	Bee and PuppyCat: Lazy in Space
2021	Tom and Jerry Special Shorts
2020	Helluva Boss
2019	Epithet Erased
2018	Human Kind Of
2017	My Little Pony: Equestria Girls - Summertime Shorts
2016	Zak Storm
2015	DC Super Hero Girls (2015)
2014	The Cyanide & Happiness Show
2013	Rick and Morty
2012	Gravity Falls
2011	Iconicles
2010	Regular Show
2009	Jungle Junction
2008	The Spectacular Spider-Man
2007	Edgar & Ellen

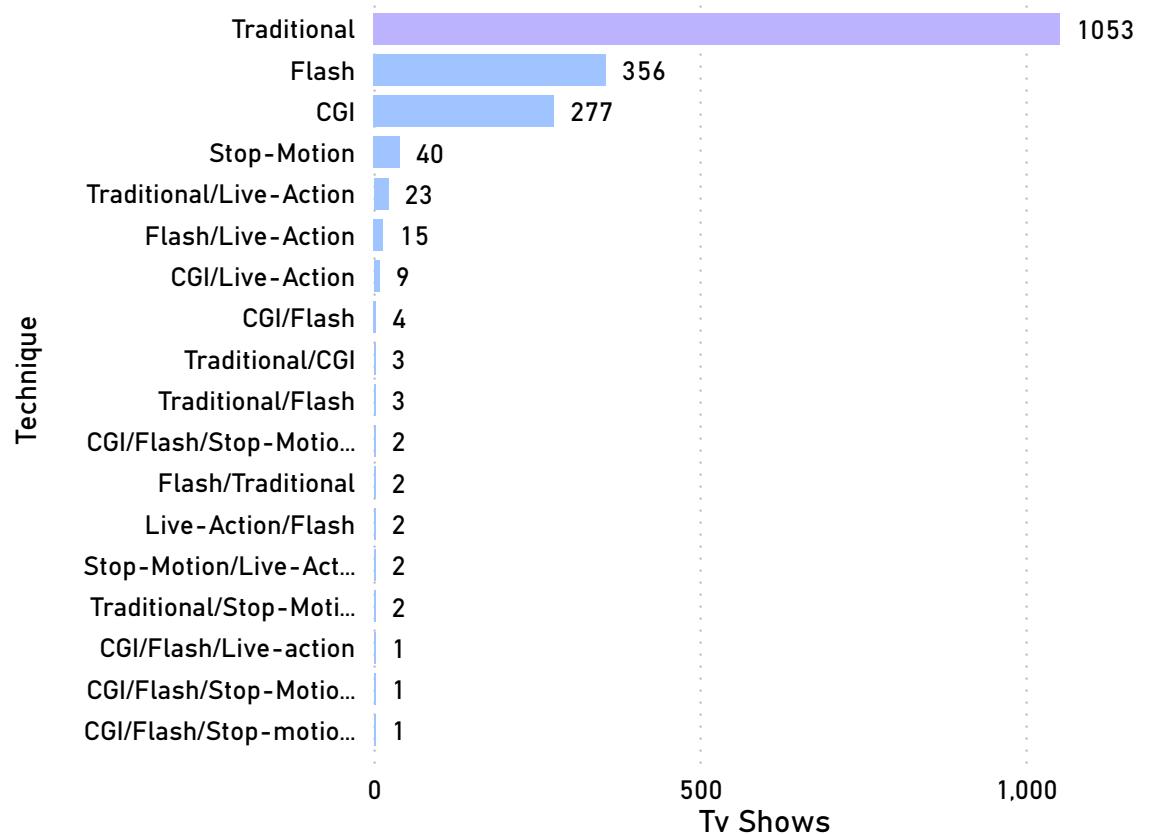
# ANIMATED SERIES ANALYSIS

## *Analysis of TV shows by animation technique*

The bar chart presents an analysis of TV shows by animation technique, showcasing the number of shows produced for each technique and provides insights into their relative popularity

- The **highest** number of shows was produced using the **Traditional** animation technique, totaling **1,053**, followed by **Flash** and **CGI**.
- **Traditional** technique accounted for the majority of shows, comprising **58.05%** of the total number of shows analyzed.
- Across all **36 techniques** examined, the total number of shows ranged from **1** to **1,053**, showcasing the diversity of animation techniques utilized in TV show production.

**TV Shows by Animation Technique**



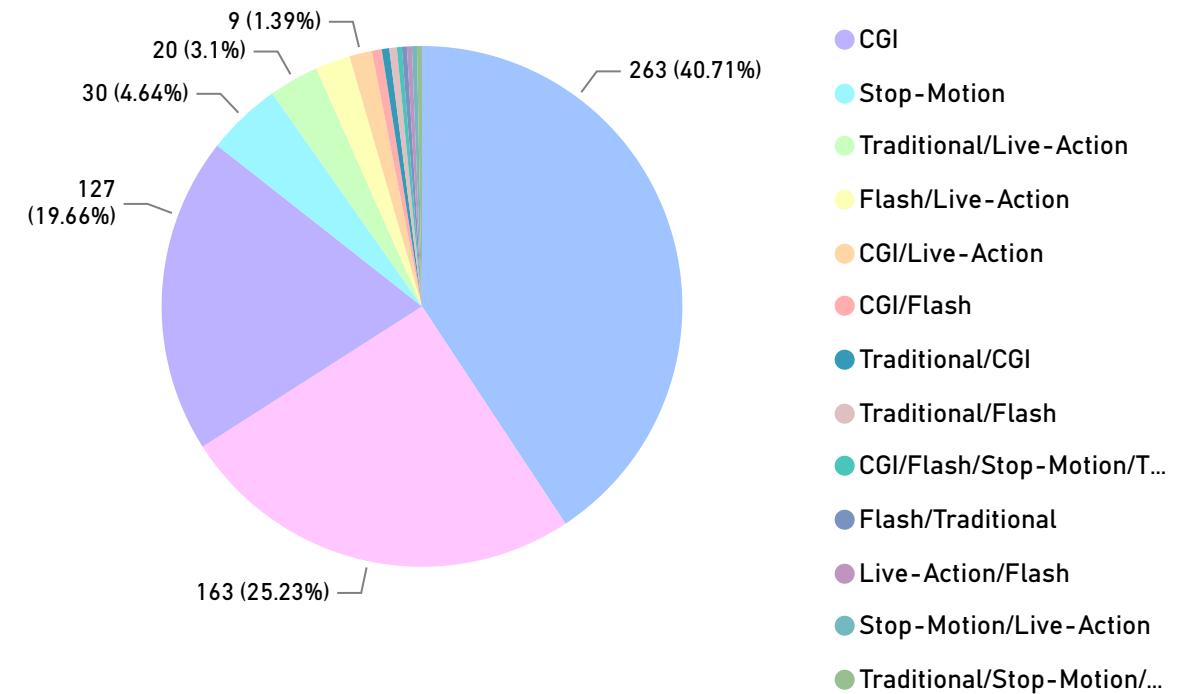
# ANIMATED SERIES ANALYSIS

## *Distribution of animation techniques by production companies*

The pie chart illustrates the distribution of animation techniques utilized by production companies, focusing only on techniques used to create more than one show.

- . **Traditional** animation technique is the most commonly used, with **263** production companies employing it to create shows. This dominance may be attributed to the long-standing history and widespread acceptance of traditional animation methods in the industry.
- . Following Traditional animation, **Flash** and **CGI** techniques are also popular among production companies.
- . Across all **15** techniques analyzed, the total number of production companies ranged from **2** to **263**, showcasing varying levels of adoption for different animation techniques.

**Distribution of Production Companies by Animation Technique**

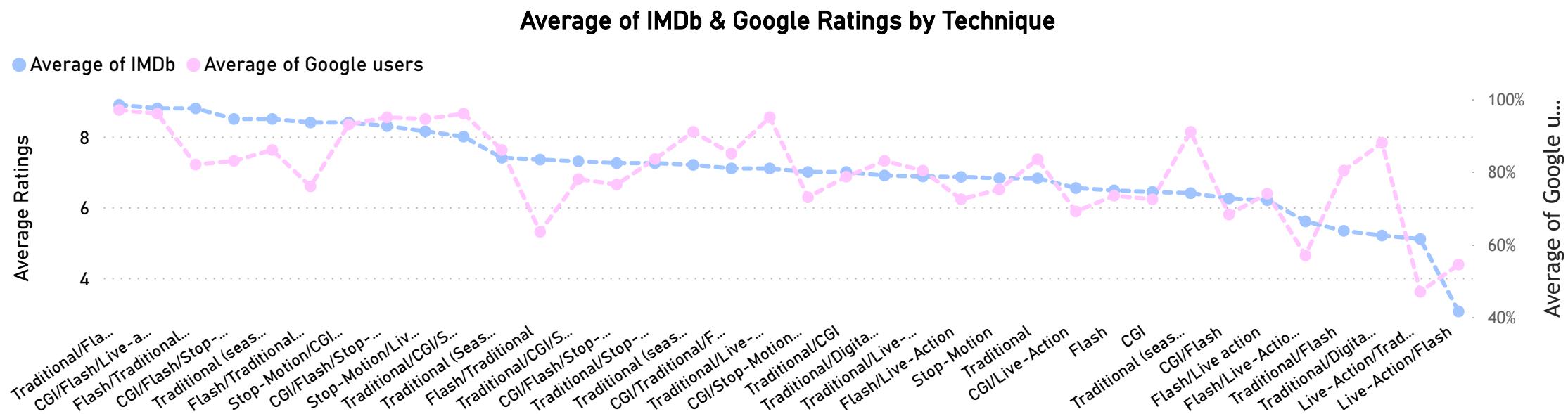


# ANIMATED SERIES ANALYSIS

## *Comparison of IMDb and Google ratings by animation technique*

The line chart illustrates the average IMDb and Google ratings for various animation techniques:

- Across all **36 animation techniques**, the average IMDb ratings ranged from **3.05** to **8.90**, while the average **Google** ratings ranged from **47.00%** to **97.00%**.
- The **greatest disparity** between IMDb and Google ratings occurred for the Flash/Traditional/CGI technique, with IMDb ratings being **7.98 points higher** on average.
- There exists a **positive correlation** between the average IMDb and Google ratings.

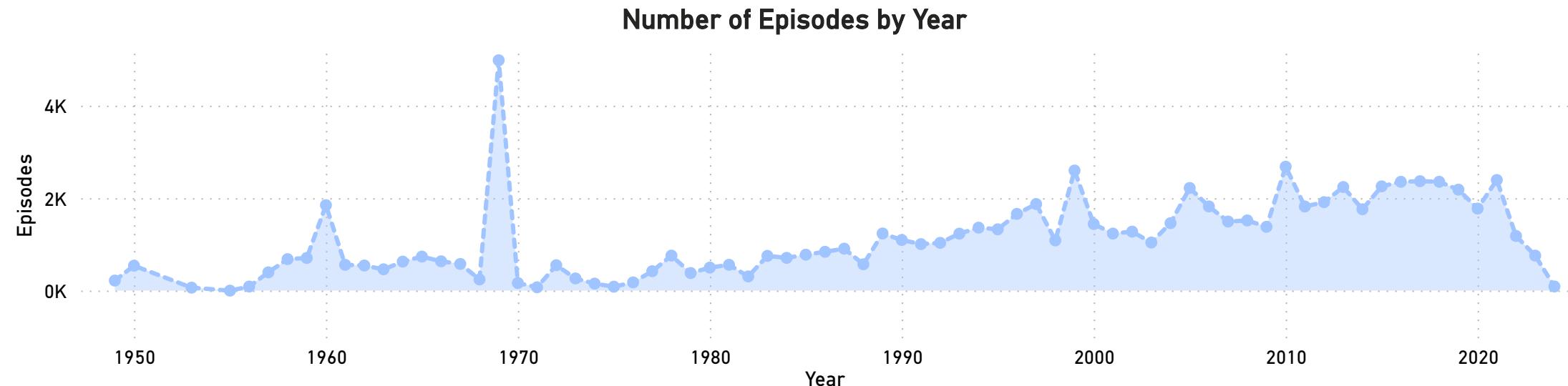


# ANIMATED SERIES ANALYSIS

## Number of episodes across years

The area chart depicts the number of episodes released across different years. Each area represents a year, providing insights into the trends of episode releases over time.

- In 1969, the highest number of episodes was recorded at 4,983, marking a significant increase of 7,685.94% compared to the lowest number of episodes in 1953, which was only 64.
- 1969 stands out with the highest number of episodes, followed by 2010 and 1999, showcasing the prolific output of episodes during these years.
- Across all 72 release years, the sum of episodes ranged from 64 to 4,983.

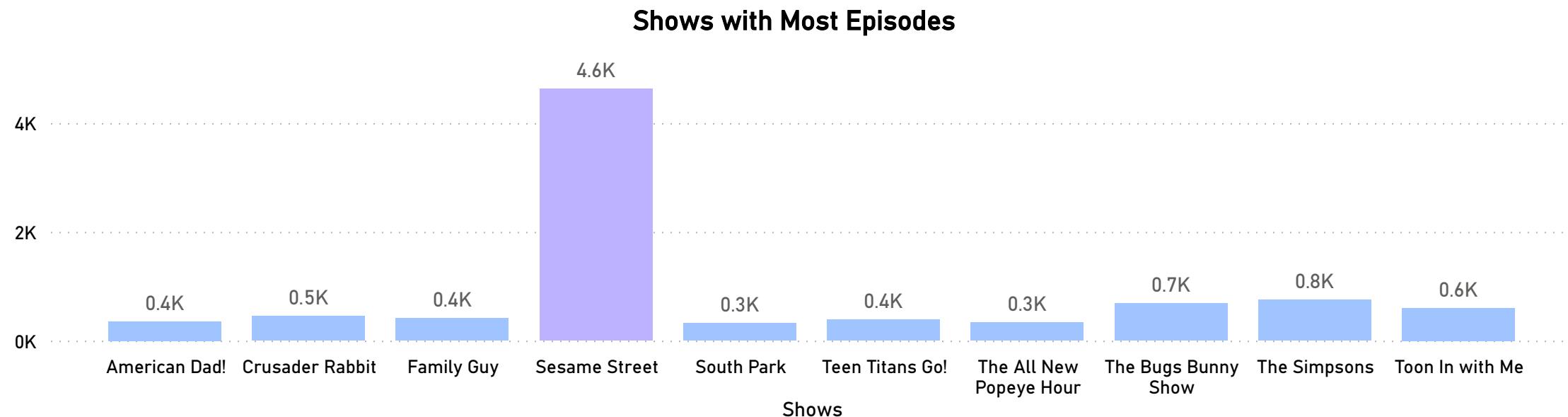


# ANIMATED SERIES ANALYSIS

## TV shows with most episodes

The column chart illustrates the TV shows with the highest number of episodes in the animated series industry. Each column represents a TV show, providing insights into the extent of their episode output.

- **Sesame Street** stands out with the **highest** number of episodes at **4,633**, marking a significant difference of **1,325.54%** compared to **South Park**, which had the **lowest** number of episodes at **325**.
- Sesame Street accounted for the majority of episodes, comprising **51.86%** of the total number of episodes analyzed.
- Across all **10 titles examined**, the number of episodes ranged from **325** to **4,633**.



# ANIMATED SERIES ANALYSIS

## Average episodes per year

The column chart illustrates the average number of episodes per year in the animated series industry. Each point represents a year, providing insights into the average episode output over time.

- In 1969, the **highest average** number of episodes per year was recorded at **498**, marking a significant increase of **5,498.88%** compared to the **lowest average** in 2024, which was only **9**.
- Across all **72** years analyzed, the average number of episodes per year ranged from **9** to **498**, showcasing variations in episode output across different years in the animated series industry.

