Dev Nation
Intro To DS lab 06

1. The dataset

Walt Disney Studios is the foundation on which The Walt Disney Company was built. The Studios has produced more than 600 films since their debut film, Snow White and the Seven Dwarfs in 1937. While many of its films were big hits, some of them were not. In this notebook, we will explore a dataset of Disney movies and analyze what contributes to the success of Disney movies.

First, we will take a look at the Disney data compiled by Kelly Garrett. The data contains 579 Disney movies with six features: movie title, release date, genre, MPAA rating, total gross, and inflation-adjusted gross.

Let's load the file and see what the data looks like.

2. Top ten movies at the box office

Let's started by exploring the data. We will check which are the 10 Disney movies that have earned the most at the box office. We can do this by sorting movies by their inflation-adjusted gross (we will call it adjusted gross from this point onward).

3. Movie genre trend

From the top 10 movies above, it seems that some genres are more popular than others. So, we will check which genres are growing stronger in popularity. To do this, we will group movies by genre and then by year to see the adjusted gross of each genre in each year.

4. Visualize the genre popularity trend

We will make a plot out of these means of groups to better see how box office revenues have changed over time.

5 Plot as many graphs as you want and dig out different insights from the data. This question would be allocated with most numbers and I want everyone to think creatively.