**Disney Movies and Box Office Success**

Explore Disney movie data, then build a linear regression model to predict box office success.

#### Project Description

Since the 1930s, Walt Disney Studios has released more than 600 films covering a wide range of genres. While some movies are indeed directed towards kids, many are intended for a broad audience. In this project, you will analyze data to see how Disney movies have changed in popularity since its first movie release. You will also perform hypothesis testing to see what aspects of a movie contribute to its success.

This project assumes that you can manipulate data using pandas and can make basic plots using Seaborn. You should also be familiar with statistical inference and be able to perform two-sample bootstrap hypothesis tests for difference of means. The prerequisites for this project are [Introduction to Linear Modeling in Python](https://www.datacamp.com/courses/introduction-to-linear-modeling-in-python) and [Introduction to Seaborn](https://www.datacamp.com/courses/introduction-to-seaborn).

The dataset used in this project is a modified version of the Disney Character Success dataset from [Kelly Garrett](https://data.world/kgarrett/disney-character-success-00-16).

#### Project Tasks

* 1 The dataset
* 2 Top ten movies at the box office
* 3 Movie genre trend
* 4 Visualize the genre popularity trend
* 5 Data transformation
* 6 The genre effect
* 7 Confidence intervals for regression parameters (i)
* 8 Confidence intervals for regression parameters (ii)
* 9 Confidence intervals for regression parameters (iii)
* 10 Should Disney make more action and adventure movies?