**Investing if the duration of certain movies on Netflix is getting shorter.**

**1.Objectives:**

* To perform exploratory data analysis on the netflix\_data.csv data to understand what may be contributing to movies getting shorter over time.
* To use scatter plot to understand if the movies are getting shorter.

**2.Data:**

* A dataset from Data camp Projects
* Data consists of 7790 records of 11 variables.

**3.Data Description:**

The dataset contains 11 variables as shown below:

|  |  |
| --- | --- |
| **Column** | **Description** |
| show\_id | The ID of the show |
| type | Type of show |
| title | Title of the show |
| director | Director of the show |
| cast | Cast of the show |
| country | Country of origin |
| date\_added | Date added to Netflix |
| release\_year | Year of Netflix release |
| duration | Duration of the show in minutes |
| description | Description of the show |
| genre | Show genre |

**4.Data Analysis:**

* Create a subset of the main data frame to assess whether movies within specific genres are experiencing a decrease in duration.
* Create a subset of the main data frame containing movies with durations of less than 60 minutes. Analyze and explore the predominant genres within this subset.

**5.Use of scatter plot:**

* Using Scatter plot analyze if duration of the movies is getting shorter.

A screen shot of a graph

Description automatically generated

**Colors for different Genres**

Red – Children

Yellow – Documentaries

Blue – Stand-up

Green – Other

**7. Results:**

The scatter plot indicates that there is no distinct trend of movies from any specific genre predominantly decreasing in duration.