**Analysis of the Movies production**

The goal of this Model is to predict the number of movies will produce next years.

Chart

Description automatically generated

We can see the relation between the movies production and years. Also, we can notice the drop of movies produced in 2020 because the effect of COVID-19 Pandemic.

To start exploring this goal, I used a linear regression model with one feature to show the growth of movies production each year.

Chart, scatter chart

Description automatically generated

In the second Model, I want to predict which factor are most important in movie’s rating. I started to discover the relation between the (average rate) and some of these features: (genre, production company, director, writer, language, country) by charts, to build a suitable Regarrison Model.

**Example:**

The chart below shows the relation between the (average rate) and (movie genre).

Chart, bar chart, histogram

Description automatically generated