Sabina Sadigova

R and Power BI project

In this project I analysed the performance of Hollywood movies for title, genre, studio, profitability and ratings released 2007-2012.

For this project first I use R Studio to clean and explore it. Then I exported clean data to Power BI visualisation tool to visualise it.

I loaded the data, viewed it and then installed package called “Tidyverse”. The last code checks data types of the columns. The data has 74 rows and 8 columns.

A screenshot of a computer

Description automatically generated

The next step is to check missing values and then drop them.

A screenshot of a computer

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Now I am going to drop them and check the data again for missing values.

A screenshot of a computer

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It is time to exlore data on R studio. I am going to show the summary and then display scatterplot and bar chats.

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Description automatically generated

For text values it show the data type is character and record numbers are 70. For numeric values it shows min,max,median,mean,1 st Qu.,3 rd Qu.

This is a scatterplot chart. It shows the number movies per studios.

A screenshot of a computer

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This a bar chart:

It displays the number of movies per years.

A screenshot of a computer

Description automatically generated

Now I am going to export cleaned data to my devise. It will be saved as “clean\_df”.

A screenshot of a computer

Description automatically generated

In this screenshot you can see that I am loading “clean\_df” to Power BI.

A screenshot of a computer

Description automatically generated

You can see the data on the Powe BI Data panel.

A screenshot of a computer

Description automatically generated

I started to create my dashboard and chose theme type for it. When I chose theme, I prefer blue, green colours pattern, as it was requested by the client.

A screenshot of a computer

Description automatically generated

Here is my dashboard containing 5 different charts. I chose title for it.

In the pie chart I show the average of Rotten Tomatoes by genre. Animation is on the top.

The second chart shows the sum of Rotten Tomatoes scores by year. The next ones display the sum of audience scores, the sum of profitability, and the sum of worldwide gross by different categories. For example, we can see that “Comedy” genre is at the top for the sum of World-wide gross.

A screenshot of a computer

Description automatically generated

This is an end of my project. Hope you enjoyed it.