

Assignment 3

R and PowerBi project



GLA DATA 1

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Table of Contents

[Task 1, Initial Exploratory Analysis 2](#_Toc121212273)

[Task 2, Create PowerBI Dashboard 3](#_Toc121212274)

# Task 1, Initial Exploratory Analysis

As my first task, I was given a data set about Performance of Hollywood Movies. I have uploaded that data set into PositCloud where I have analysed and cleansed it. Please see below the pictures of the R Script.

Graphical user interface, text, application

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# Task 2, Create PowerBI Dashboard

After extracting my clean data set from R, I have uploaded it into PowerBi to create an easy to read visual for the client to see. The client requested to see:

* The average ratings of each genre
* The number of movies produced per year
* The audience scores for each film
* The profitability per studio
* The worldwide gross per genre

I have also included:

* The sum of worst movies per genre
* The number of years in every genre

The client request the use of their brand colours which is blue, brown and green.

As the first step I have uploaded the clean data set to PowerBi by clicking onto **File tab**, then using **Get Data**, see picture below.

Graphical user interface, text, application, Word

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Next step was to select the data from my system then pressed **Open**. See picture below. Graphical user interface, application, PowerPoint

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Once data was opened, I made sure it was a correct data set, then pressed the **Load** button. See picture below.

A screenshot of a computer

Description automatically generated

Once data was loaded, I have pressed on the desired Visual and then dragged the chosen columns onto the **Y-axis** and **X-axis**. See picture below.

Graphical user interface, text, application

Description automatically generated

Because the client wanted to see **the average** ratings, I had to change the default **sum** by using the **Table tools** option. See picture on the right. Graphical user interface, application

Description automatically generated#

I have used the same steps to create more visuals showing the data that client requested, then I have started changing the colors of them and making my dashboard easy to understand. I have done this by clicking on the **Format visual** after selecting the visual I was working on. See picture below.Graphical user interface, application

Description automatically generated

I have selected three different colours as requested by the client. See picture below.

Graphical user interface, application

Description automatically generated

I have then created visual boarders around each visual by clicking **Format Visual**, then using the **general** option. See picture on the right. Graphical user interface, application

Description automatically generated

On the table visual I chose to do, I have managed to edit the look of it by clicking on **Format visual**, **Visual** and then **Style presents,** and I have chosen the desired look. See picture below.Graphical user interface, application, PowerPoint

Description automatically generated

I have then changed the colours of the table visual to match my dashboard, see picture below.

Graphical user interface, application

Description automatically generated

On my line graph, I have decided to change the style of the line, I have done this by using **Format visual**, **Visual**, **Shape**. See picture on the right. Graphical user interface, application

Description automatically generated

I have used **Text box** option to create the title for my dashboard. See picture below.

Graphical user interface, application, PowerPoint

Description automatically generated

And this is my outcome of the dashboard, see picture below.

Graphical user interface, application

Description automatically generated