Project

R/Python and Power BI Project
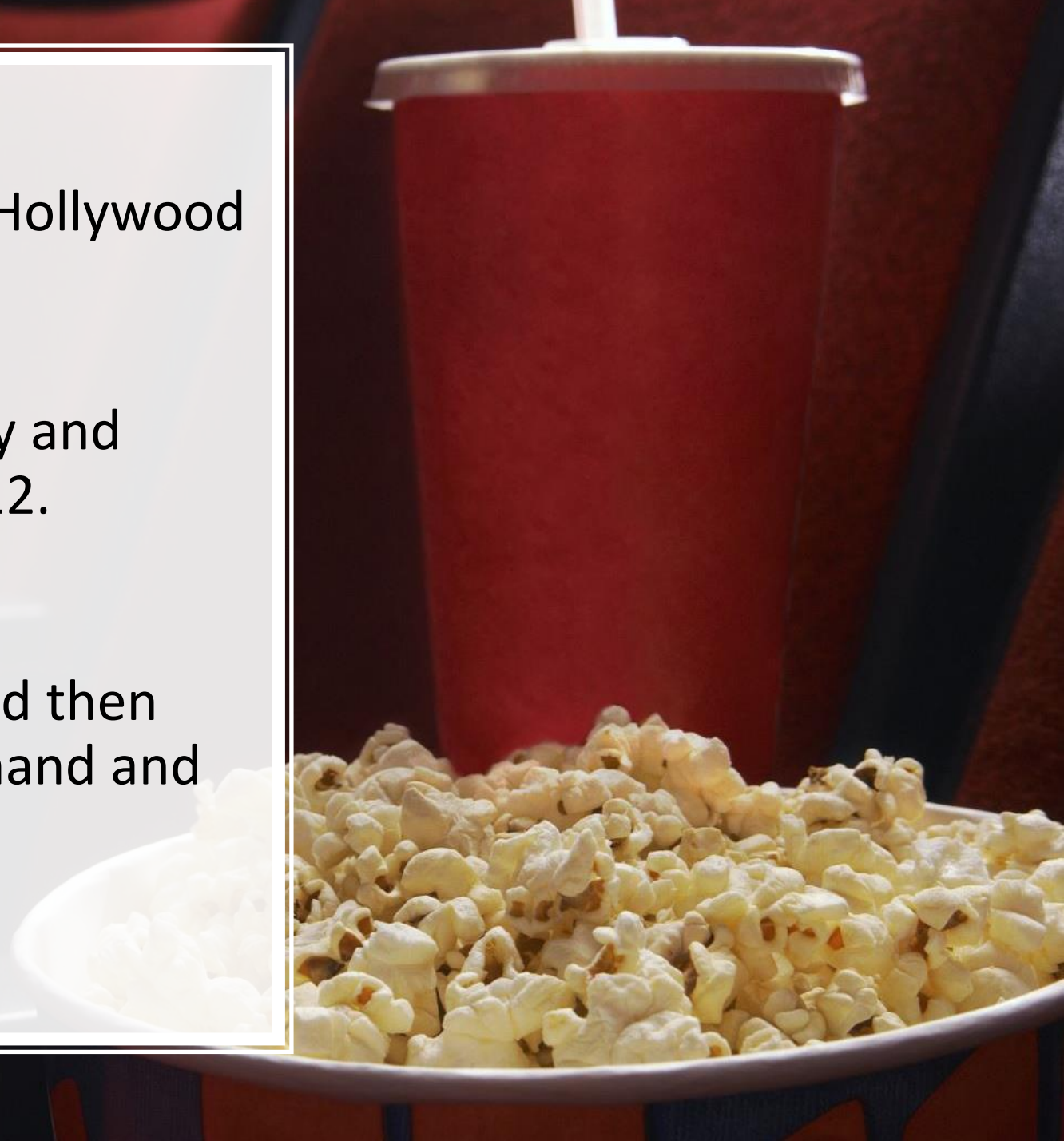
Just **IT** Skills **Team**

Aim: To analyze the performance of Hollywood movies

Data: Title, genre, studio, profitability and ratings for movies released 2007-2012.
Source: InformationIsBeautiful.net

Tip: Windows users, press control and then click the link. Mac users, press command and then click the link.

Step1: Initial Exploratory Analysis

1-Use either R or Python to complete the assignment

2-Create a new script using R or Python

3-Load the data

4- Run exploratory commands

5-Perform any data cleaning and transformation necessary: checking for missing values, removing missing values, change datatypes, rename column name

6-Export the clean data into your pc

7-Load the data in PowerBi

Step 2: Create Power BI Dashboard

In your power BI Dashboard, the client would like to see:

- The average Rotten Tomatoes ratings of each genre

- The number of movies produced per year

- The audience score for each film

- The profitability per studio

- The worldwide gross per genre

- Save your powerBI reports and share the link on your Teams assignment along with your R or Python script

Tips:

- Feel free to add more charts apart from the ones mentioned in the next slide.

- For the dashboard, the company would like you to use their brand colors which are blue, green and brown. You can use light or dark shades of each color. For example, light blue and dark blue are acceptable.

  You can combine these colors any way that you like. For example, you can use only blue and green if you want to.