A screen shot of a graph

Description automatically generatedThe purpose is to visualise a correlation between the Rotten Tomatoes rating and the IMDb rating and how this influences the worldwide gross of each movie.

On this scatterplot, the RT rating is on the x-axis while the IMDb rating is on the y-axis. This enables us to see the correlation between them. Another variable is the worldwide gross per movie. This is represented by size because we can better distinguish smaller differences between them than with another design such as colour. Finally, the points are empty squares to symbolise a movie screen. Some limitations are that some points overlap each other but this is because two movies may have identical ratings.

On this graphic we can see the linear correlation between the two ratings as most of the points form a straight increasing line. This means that the two ratings agree with each other, so a higher RT rating gives a higher IMDb rating. RT is based on the percentage of positive reviews and IMDb is a vote out of 10. Additionally, when we compare the size of the points, we can tell that the larger ones, signifying a greater worldwide gross, have higher ratings. This would mean that better movies make more money.