Marvel Movies Analysis

In our project we analyzed various marvel movies with the information scraped from fandoms marvel mcu page and information given from imdb. We were able to draw the following graphs from the data.

A screenshot of a cell phone

Description automatically generated

With the data we developed a plot which shows marvel movies budget and box office collection.

A close up of text on a white surface

Description automatically generated

From the plot we can plot a linear regression graph. The line shows the budget for the movies and the plots represent whether the box office collection was profitable based on the budget or fell below the mark for the budget.

A close up of a map

Description automatically generated

On fandoms website the movies were split based on phases which were based on the timeline of when the movies were released. Here we are plotting a visual representation of each movie with the box office collection vs budget. These movies shows a linear increase of box office collection and slight drops in budget depending on the movies in phase one.

A close up of a map

Description automatically generated

For phase two of marvel movies we also see a steady increase in box office collection even though there is a drop of budget with two movies in order for Avenger:Age of Ultron to have a higher budget and starting with the next phase the budget notices another drop.

A picture containing map

Description automatically generated

For Phase Three there are a lot more movie releases leading up to Avengers End Game and we see the same trend in budget and box office collection as we did with the previous phases.