

# The Movie Database Analysis

- Produced by: Mohamed Hendy
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# Introduction

The dataset I have contains data regarding more than 10000 movies. In the below analysis, I aim to explore the properties of movies collected over years. I have added the "movie\_performance" column to know the performance of a given movie and relate it to other variables. The movie performance was calculated using the budget and revenue values t

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# Research Questions

- Is There a Direct Relation Between The Budget Spend On Movies and The Revenue?
- Is There a Direct Relationship Between Popularity And Overall Performance?
- How Does The Performance of Movies Change Over Years?
- Which Genres Correlate With Higher Performance?

Essential questions revolve around the obvious relations between variables.

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# Methods & Techniques

The following methods were adopted before and while analyzing the dataset:

- 1- Data Wrangling (importing and cleaning the dataset)
- 2- Exploratory Data Analysis (applying various statistical techniques to draw insights from the data)
- 3- Graphs and visualizations

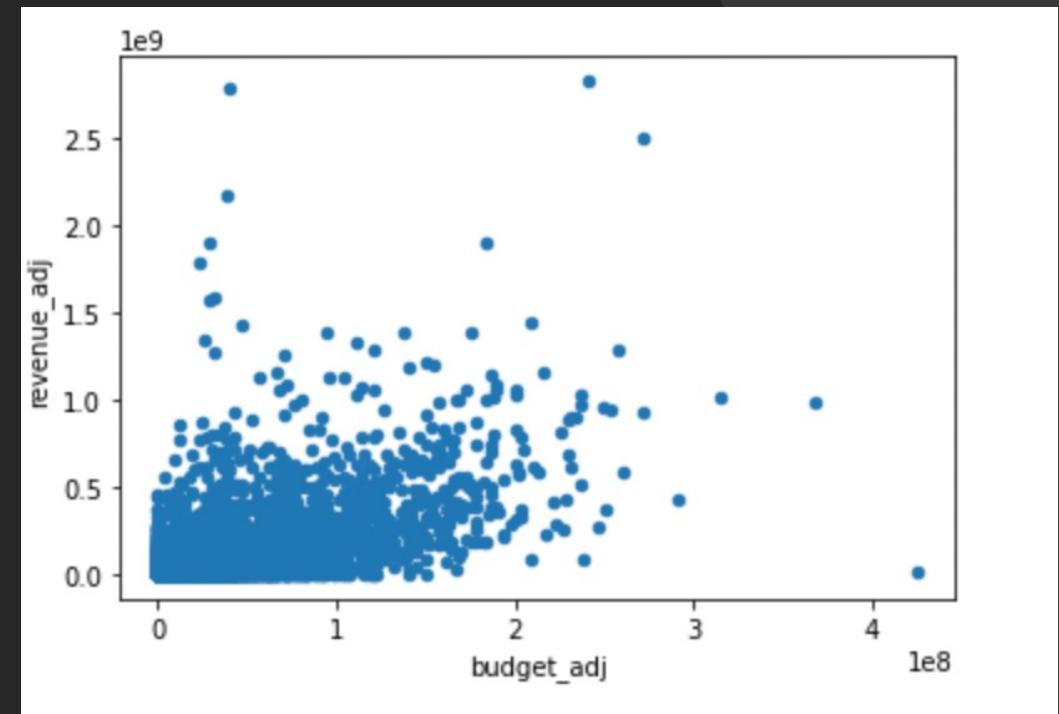


04

# Results & Visuals

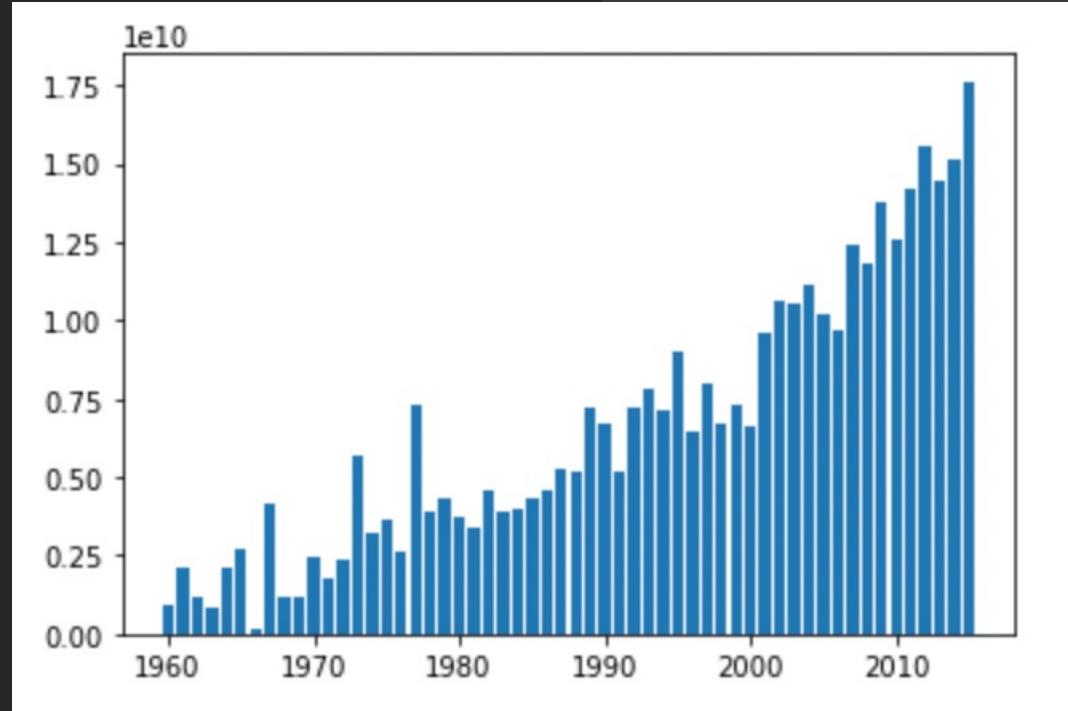
# Is There a Direct Relation Between The Budget Spend On Movies and The Revenue?

- From the given scatter plot, it can be shown that there is no oblivious relation between the budget and revenue of a given movie.



# Which Genres Correlate With Higher Performance?

- The latest the year is, the more it the overall performance is.
- There are some exceptions for years that have lower performance than the years just before them.
- But the first point is a general trend.



# Is There a Direct Relation Between The Budget Spend On Movies and The Revenue?

- The pie chart can be used to identify which genres used most by producers and companies in the top 50% of the highest performing movies.

