

Remove or impute missing values in Budget and Box Office (e.g., replace with 0 or median)

The screenshot shows the Power BI Desktop interface. A 'Replace Values' dialog box is open, allowing the user to replace one value with another in the selected columns. The 'Value To Find' is set to 'Nan' and the 'Replace With' is set to '0'. The background table contains movie data with columns: ID, Title, Release Date, Run Time, Genre, and Director. The table lists 27 movies, including Jurassic Park, Spider-Man, King Kong, Superman, Titanic, and many others.

Create a separate DATE table by using Release Date column, use Addcolumns, Calendarauto, filter functions and make sure a relationship exist in the data model view between two tables.

```
1 Date =
2 VAR max_year = YEAR(MAX(Movies[Release Date]))
3 VAR min_year = YEAR(MIN(Movies[Release Date]))
4 Return
5
6 ADDCOLUMNS(
7     FILTER(
8         CALENDAR(AUTO(),
9             AND(YEAR([Date]) >= min_year, YEAR([Date]) <= max_year)),
10         "Year", YEAR([Date]),
11         "Month Number", MONTH([Date]),
12         "Month Name", FORMAT([Date], "MMMM"),
13         "Quarter", QUARTER([Date]),
14         "Day", DAY([Date]),
15         "Weekday", WEEKDAY([Date]),
16         "Weekday Name", FORMAT([Date], "dddd"),
17         "QQ-YYYY", "Q" & FORMAT([Date], "Q-YYYY")
18     )
19 )
```

- Total Box Office

```
1 Total Box Office = CALCULATE(SUM(Movies[Box Office]))
```

- Average Budget

```
1 Average Budget = CALCULATE(AVERAGE(Movies[Budget]))
```

- Average Margin

```
1 Average Margin = AVERAGEX(Movies,Movies[Box Office]-Movies[Budget])
```

- Total movies with Oscars

```
1 Total movies with Oscars = CALCULATE(COUNT(Movies[ID]),Movies[Oscar Wins]>0)
```

- Top Genre by Box Office

```
1 Top Genre by Box Office = TOPN(1,ALL(Movies[Genre]),[Total Box Office],DESC)
```

- Year-over-Year Box Office Growth

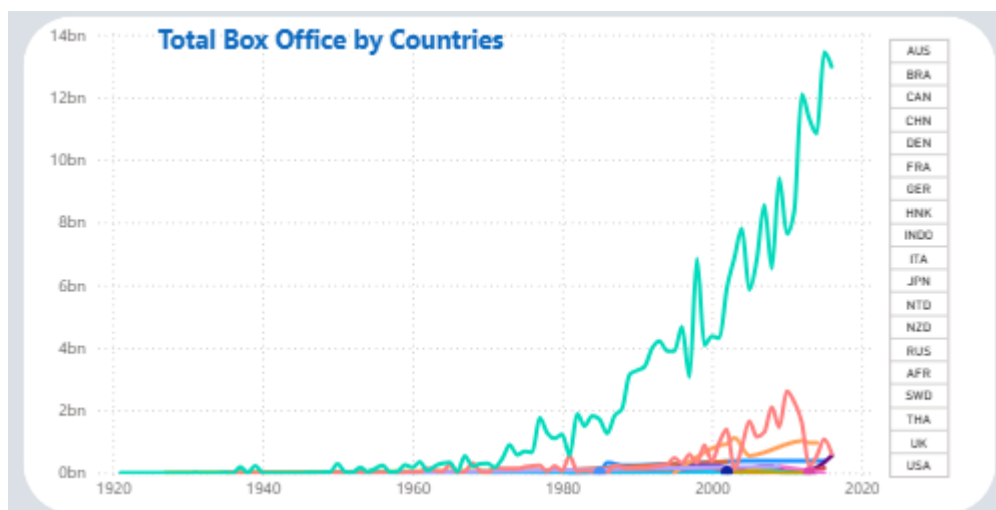
Year-over-Year Box Office Growth =

```
var last_year_same_period = CALCULATE([Total Box Office],SAMEPERIODLASTYEAR('Date'[Date]))
RETURN DIVIDE([Total Box Office]-last_year_same_period,last_year_same_period)
```

- Average Nominations per Director

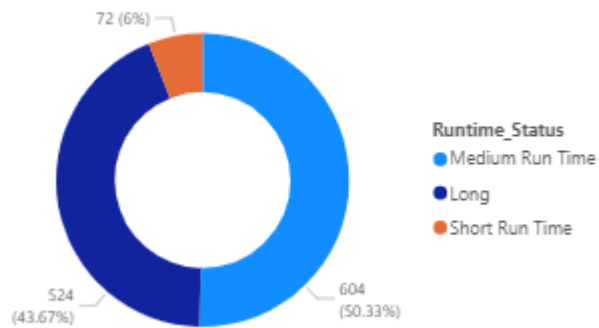
```
1 Average Nominations per Director =
```

```
2 AVERAGEX(SUMMARIZE(Movies,Movies[Director],"Directors_Nominations",SUM(Movies[Nominations])),[Directors_Nominations])
```

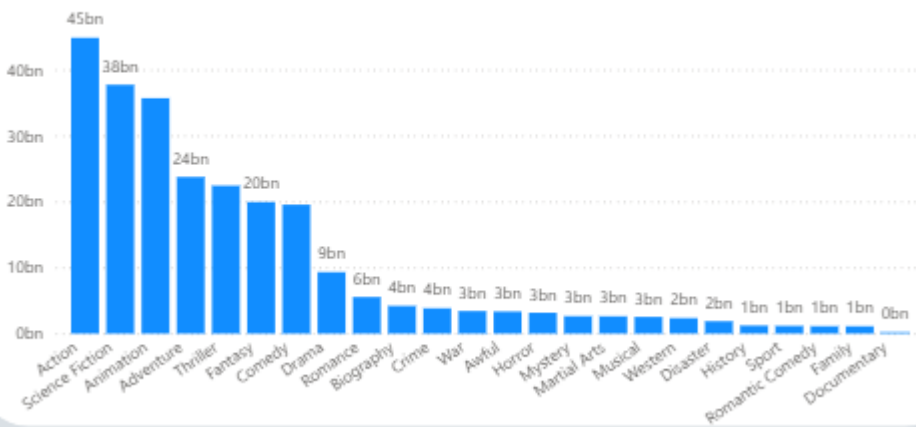




Number of movies by Runtime\_Status



Total Box Office by Genre





United States

Total Oscar Wins

540

79.06% of all Oscars

Total Box office

213.65bn

84.36% of Total Box Office

Total Profit

163.13bn

84.00% Total Profit

Director	Total_films	Total_Oscars	Total Box Office	Total Profit
Steven Spielberg	25	33	9,063,192,534.00	7,592,072,534.00
Ridley Scott	18	9	3,801,053,101.00	2,367,053,101.00
Martin Scorsese	17	14	1,894,641,060.00	1,095,041,060.00
Clint Eastwood	16	10	2,255,626,738.00	1,722,326,738.00
Antoine Fuqua	10	1	1,152,600,000.00	542,000,000.00
Ron Howard	10	9	2,846,060,036.00	2,092,560,036.00
Tim Burton	10	3	2,536,740,265.00	1,656,740,265.00
Joel Coen	9	2	665,909,384.00	459,909,384.00
Michael Bay	9	1	5,513,740,513.00	4,250,740,513.00
Quentin Tarantino	9	5	1,577,059,461.00	1,271,359,461.00
Robert Zemeckis	8	5	2,299,724,261.00	1,785,724,261.00
Christopher Nolan	7	7	4,114,218,673.00	3,175,218,673.00
Total	876	540	213,649,976,261.00	163,133,366,587.00

Number of certificates

