

**Topic:** Movies Analyses Dashboard with DAX

**Prerequisites:** All data is provided in Movies.xlsx

1. Load Movies.xls into Power BI desktop

Done

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

done using transform data

1. Ensure all columns are in a appropriate format.

done

1. 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.

done

1. Create the following DAX measures and calculated columns to practice filter contexts, aggregations, and time intelligence.
  - Create a calculated column called profit by using Budget and Box office column
  - Create a calculated column to categorize movies by run time for segmentation. (Run Time < 90, Short Run Time > 90 and Run Time < 120, Medium Run Time > 120 , Long) Create following measures:
    - Total Box Office
    - Average Budget
    - Average Margin
    - Total movies with Oscars
    - Top Genre by Box Office
    - Year-over-Year Box Office Growth
    - Average Nominations per Director
2. Visualization Requirements: Create an interactive dashboard with the following visuals to practice Power BI's visualization features.
  - Page 1: Overview Dashboard. Recommended Visuals:
    - Card: Total Box Office, Profit Margin, Movies with Oscars.
    - Bar Chart: Total Box Office by Genre (stacked by Certificate).
    - Line Chart: Box Office trend by Release Year.
    - Slicer: Filter by Country and Release Date (range).
    - KPI: YoY Box Office Growth (target: >0%).

# Action

Top Genre by Box Office



# Movies Dashboard

Total Box Office

253.25bn

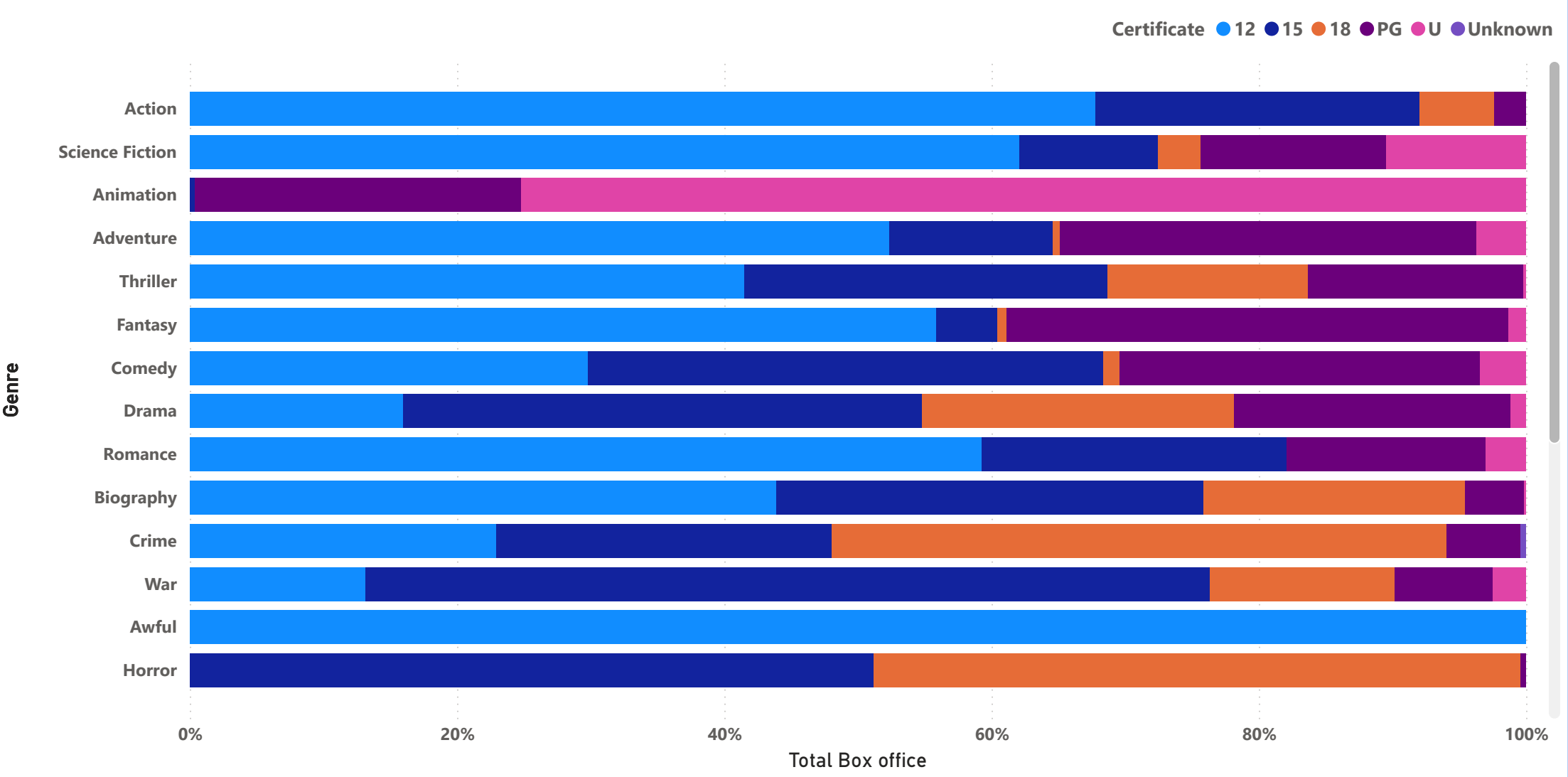
Profit Margin

194.22bn

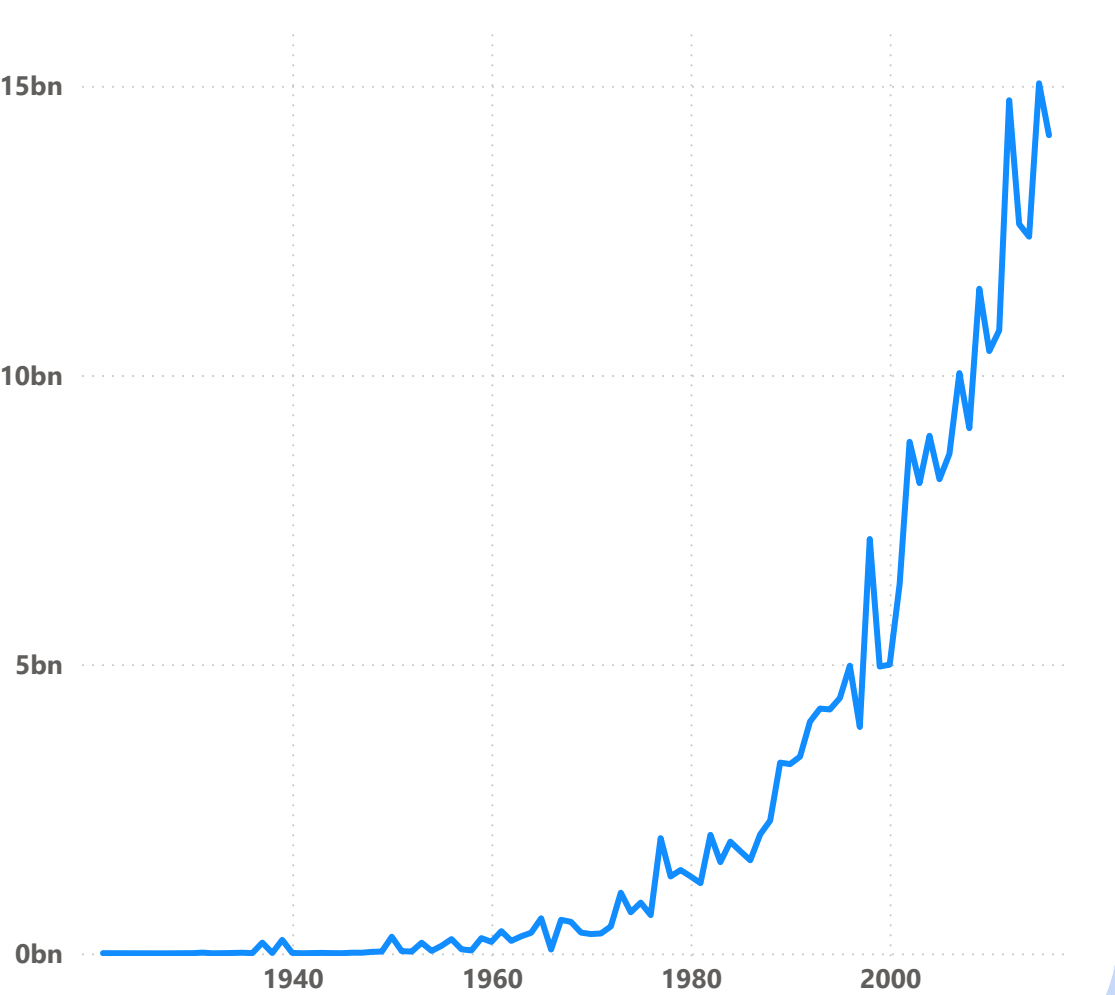
Total Movies with Oscars

254

Total Box office by Genre and Certificate



Total Box office by Year



Release Date



All



Country



All



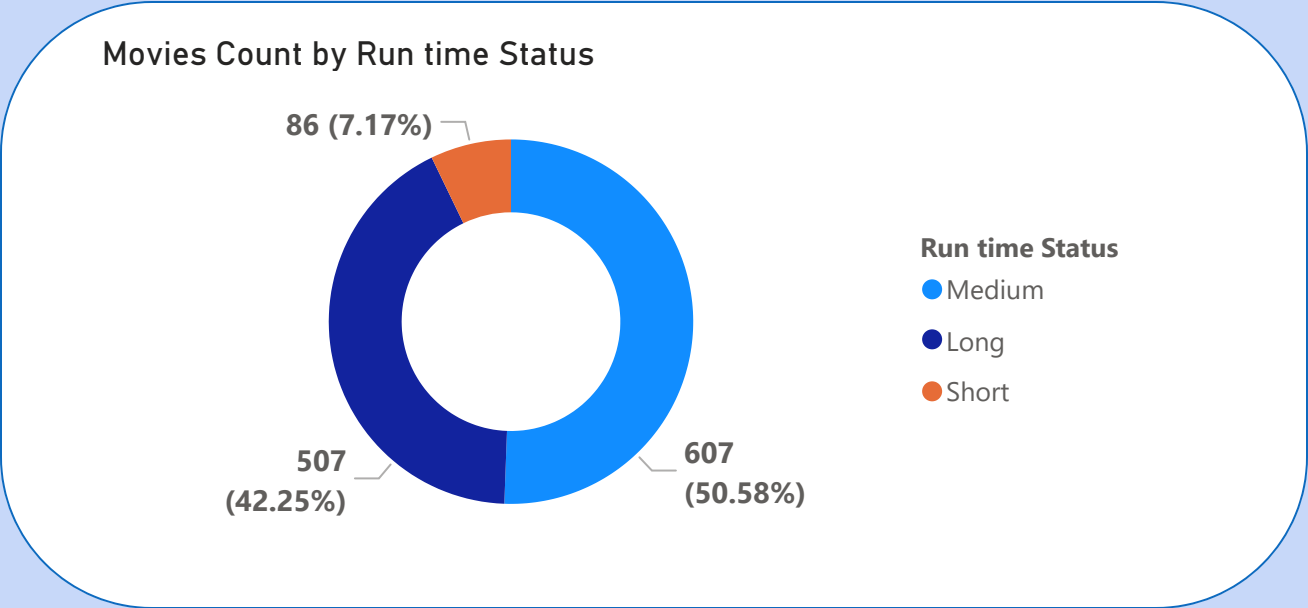
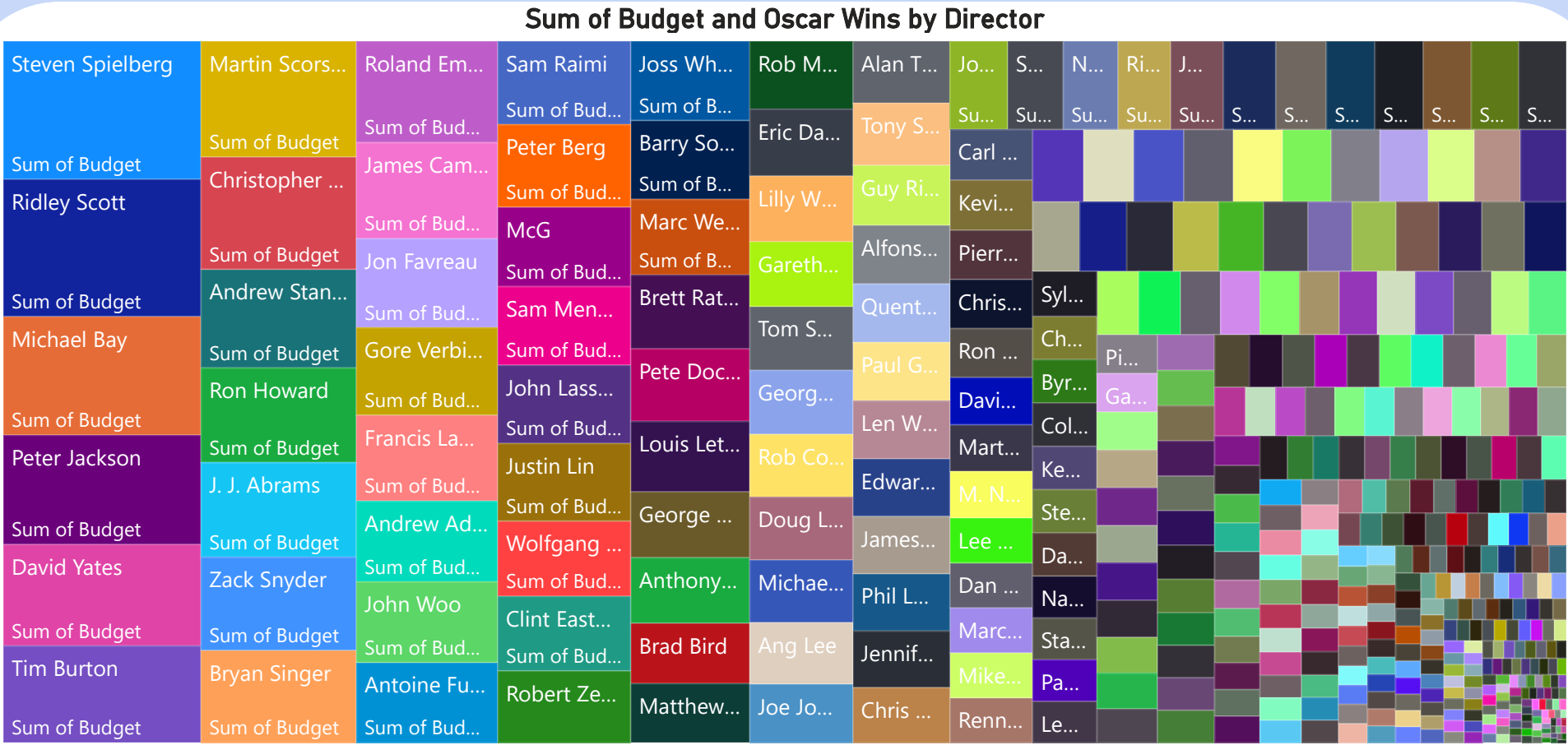
Genre



All



# Director Analysis



Director	Sum of Nominations	Sum of Oscar Wins	Average Nominations per Direc
Adam McKay	0	0	
Adrian Lyne	10	1	0
Akira Kurosawa	10	1	0
Akiva Schaffer	0	0	
Alan J. Pakula	8	4	0
Alan Taylor	0	0	
Albert Pyun	0	0	
Alejandro G. Inarritu	23	7	0
Alex Garland	2	1	0
Alex Proyas	1	0	2
Alexander Mackendrick	1	0	1
Alfonso Cuaron	15	7	0
Alfred Hitchcock	11	0	0
Alfred L. Werker	0	0	
Allan Dwan	4	0	0
Amy Heckerling	0	0	
Anatole Litvak	2	1	0
Andrew Adamson	7	2	0
Andrew Davis	0	1	0
Total	2207	683	0