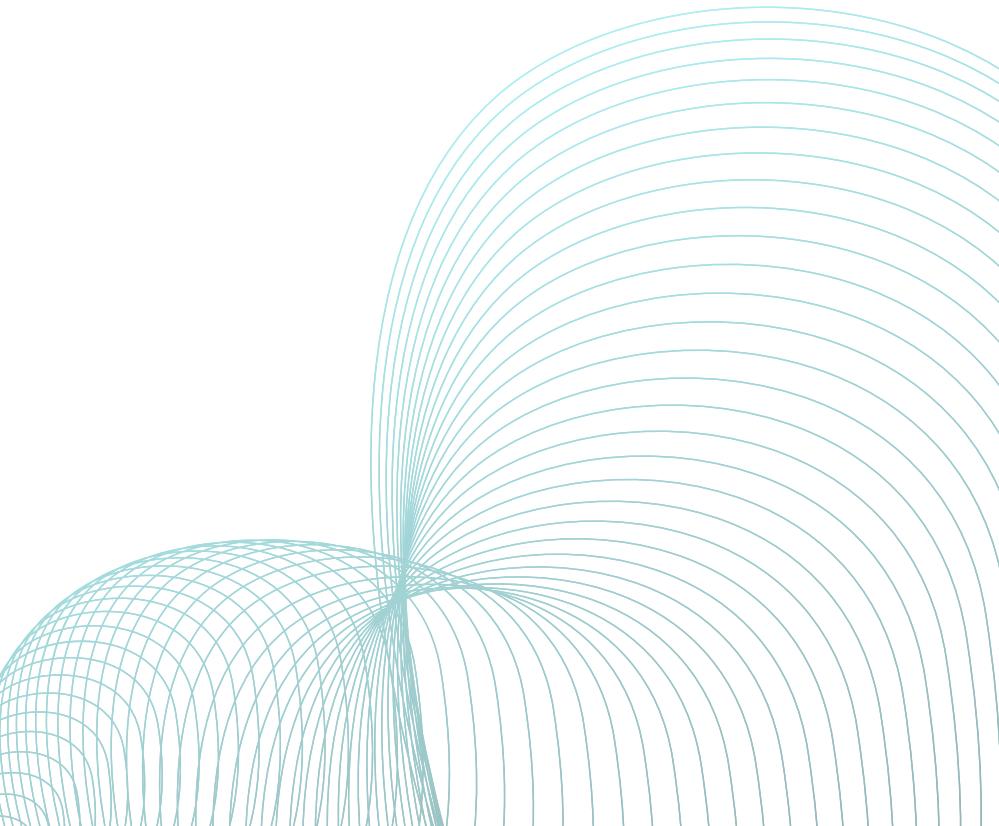


# **ENTERTAINER DATA ANALYSIS**

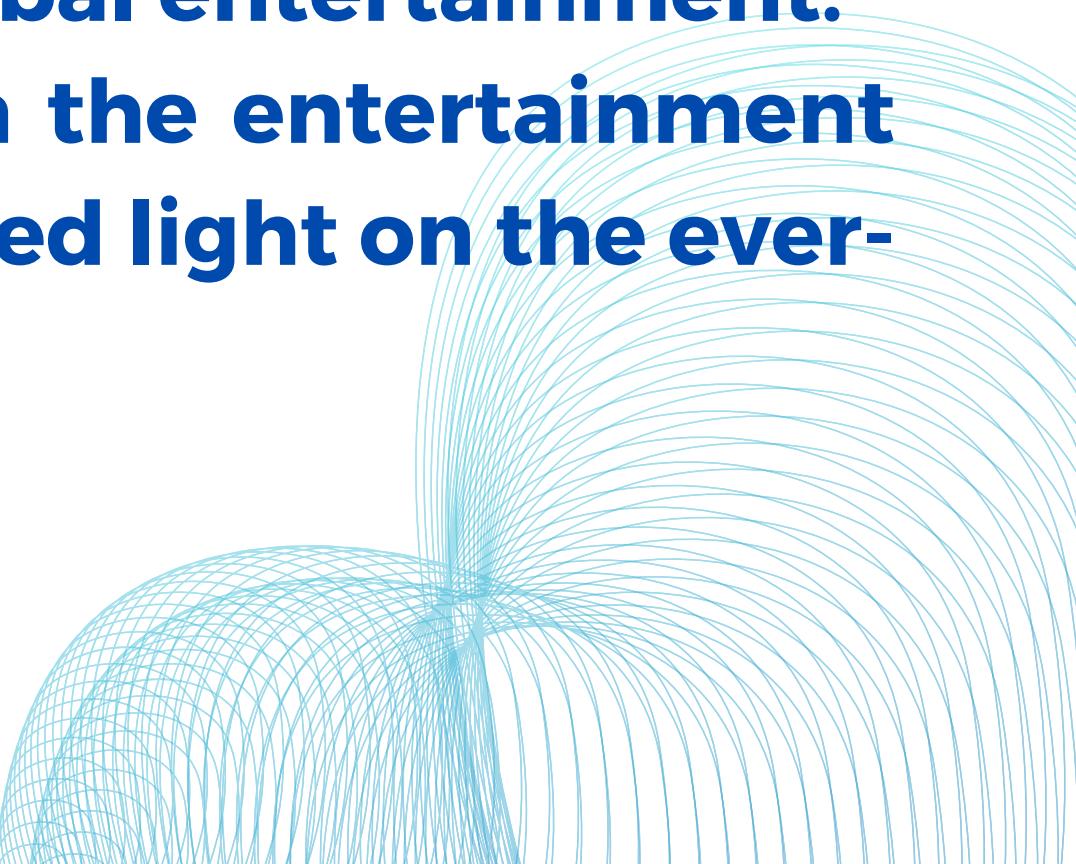
**BY GAYATRI BALLAL**



# INTRODUCTION



- In a fast-paced world, finding moments of relaxation and relief from stress is essential. Entertainment serves as a powerful medium for rejuvenation and escapism.
- The media and entertainment industry spans a vast array of mediums, including film, television, radio, and print, catering to diverse audiences worldwide.
- The entertainment industry is a dynamic ecosystem comprising various sub-industries, each contributing to the vibrant tapestry of global entertainment.
- Our project aims to delve into the wealth of data within the entertainment industry, uncovering trends, patterns, and insights that shed light on the ever-evolving landscape of entertainment.



# OBJECTIVES

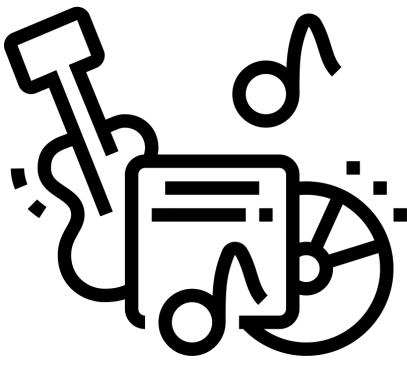


## For Entertainer basic info data

- To find total entertainers, total males, total females, average birth year.
- To examine the birth year distribution to reveal symmetry and skewness, offering insights into the age demographics of entertainers.
- To investigate gender distribution, emphasizing male predominance among entertainers.
- To assess gender distribution among top 10 entertainers across birth years to determine gender balance, offering insights into representation and potential trends within this subset of performers.
- To identify and analyze the birth years of top entertainers to gain insights into the birth year patterns among highly successful individuals in the entertainment industry.

# OBJECTIVES

## For Entertainer breakthrough info data



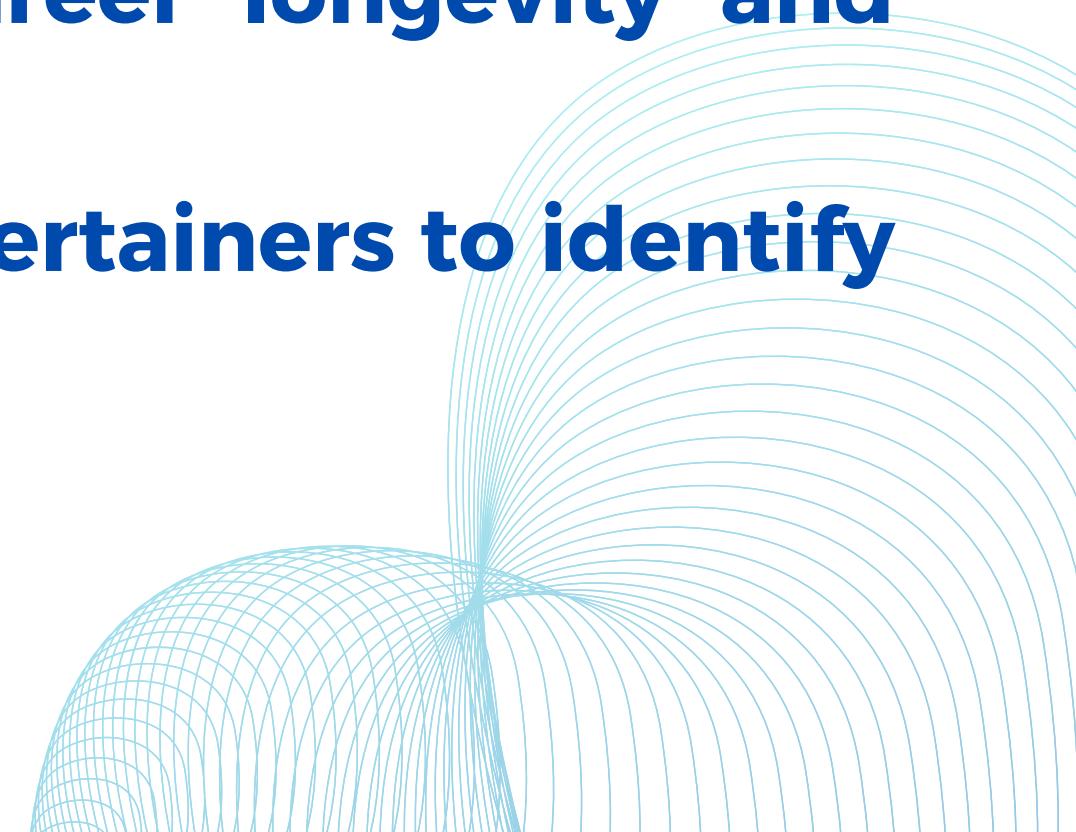
- To find Total entertainers ,average breakthrough years,Average year of first oscar,Total breakthrough names,count of breakthrough years,years of first award in the data.
- To explore the symmetry and skewness of the distribution of breakthrough years to assess the significance and timing of breakthrough moments in entertainers' careers.
- To investigate the breakthrough years of specific entertainers with later breakthrough moments to understand the factors contributing to their success and delayed recognition.
- To investigate the significance of the high count of breakthroughs in the year, analyzing its cultural and societal impact within the entertainment industry,

# OBJECTIVES

## For Entertainer Last work info data



- To find count of Year of last major work,year of death in the data.
- To Conduct a comprehensive analysis of lifespan distribution among entertainers, including average, median, and standard deviation calculations to understand the variability and patterns in lifespan within the dataset.
- To investigate the relationship between the timing of last major work and lifespan to assess potential associations between career longevity and lifespan.
- To explore the distribution of year of deaths among entertainers to identify trends and patterns in mortality within the dataset.

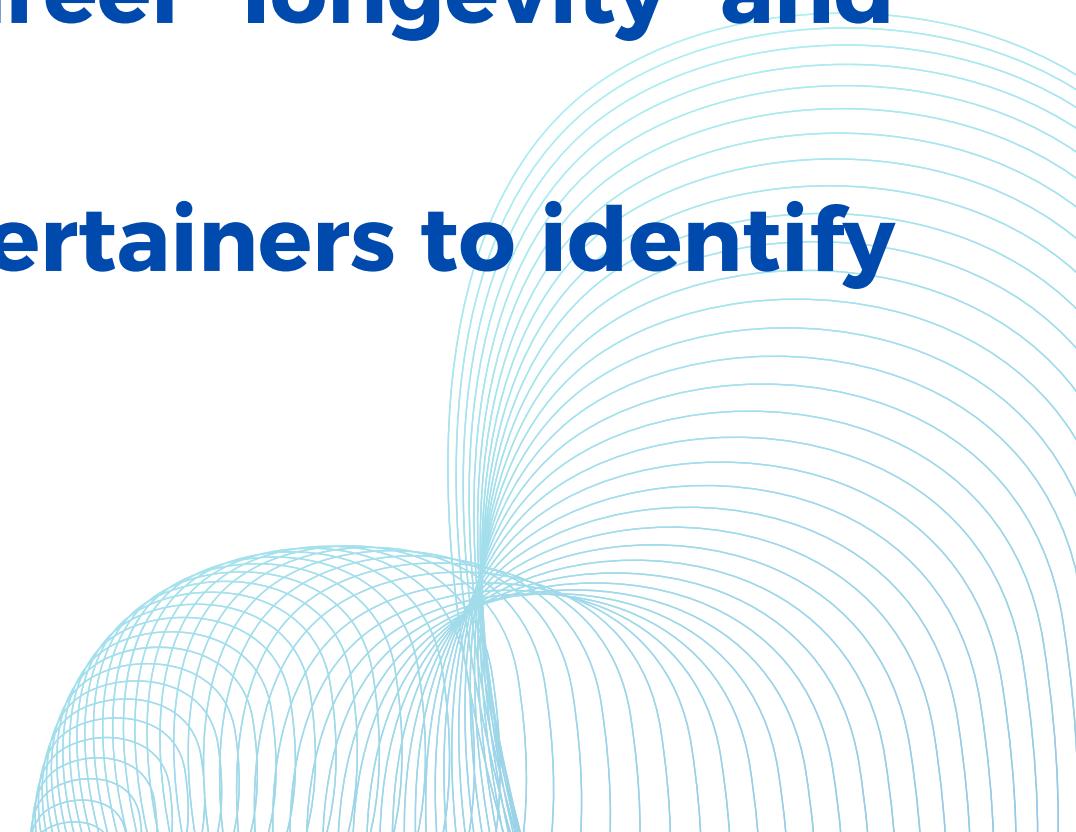


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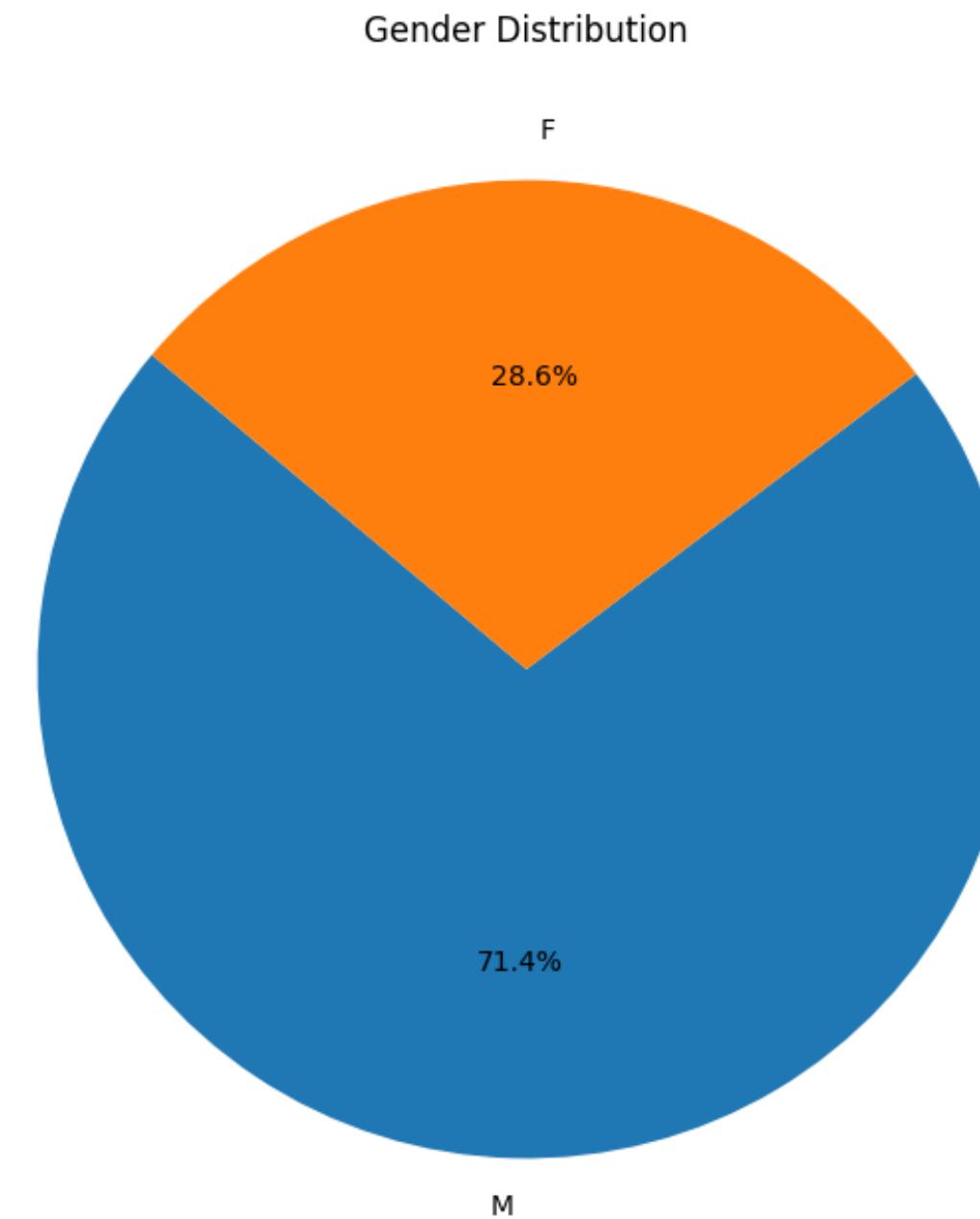
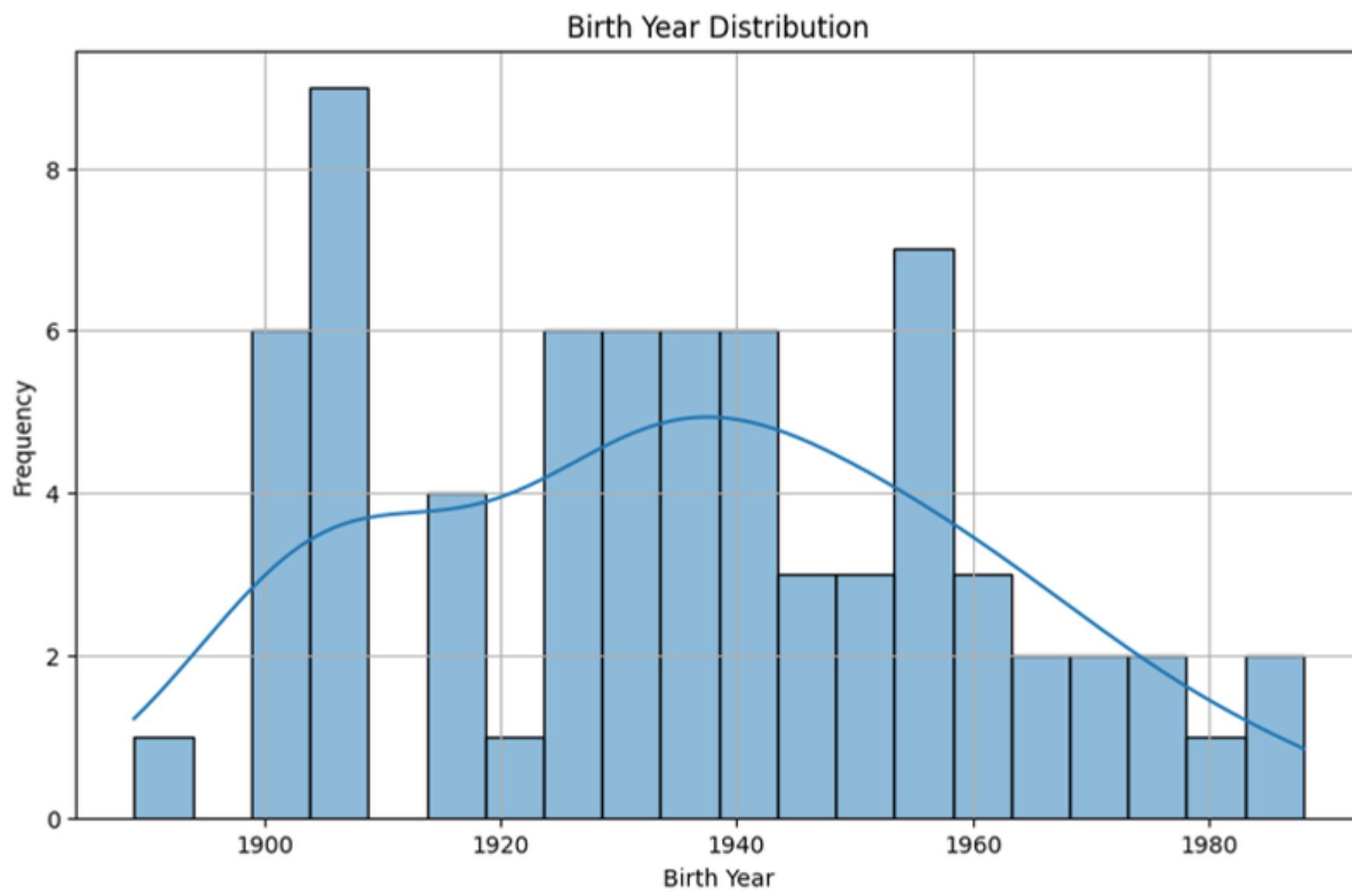
# DETAILS OF DATA

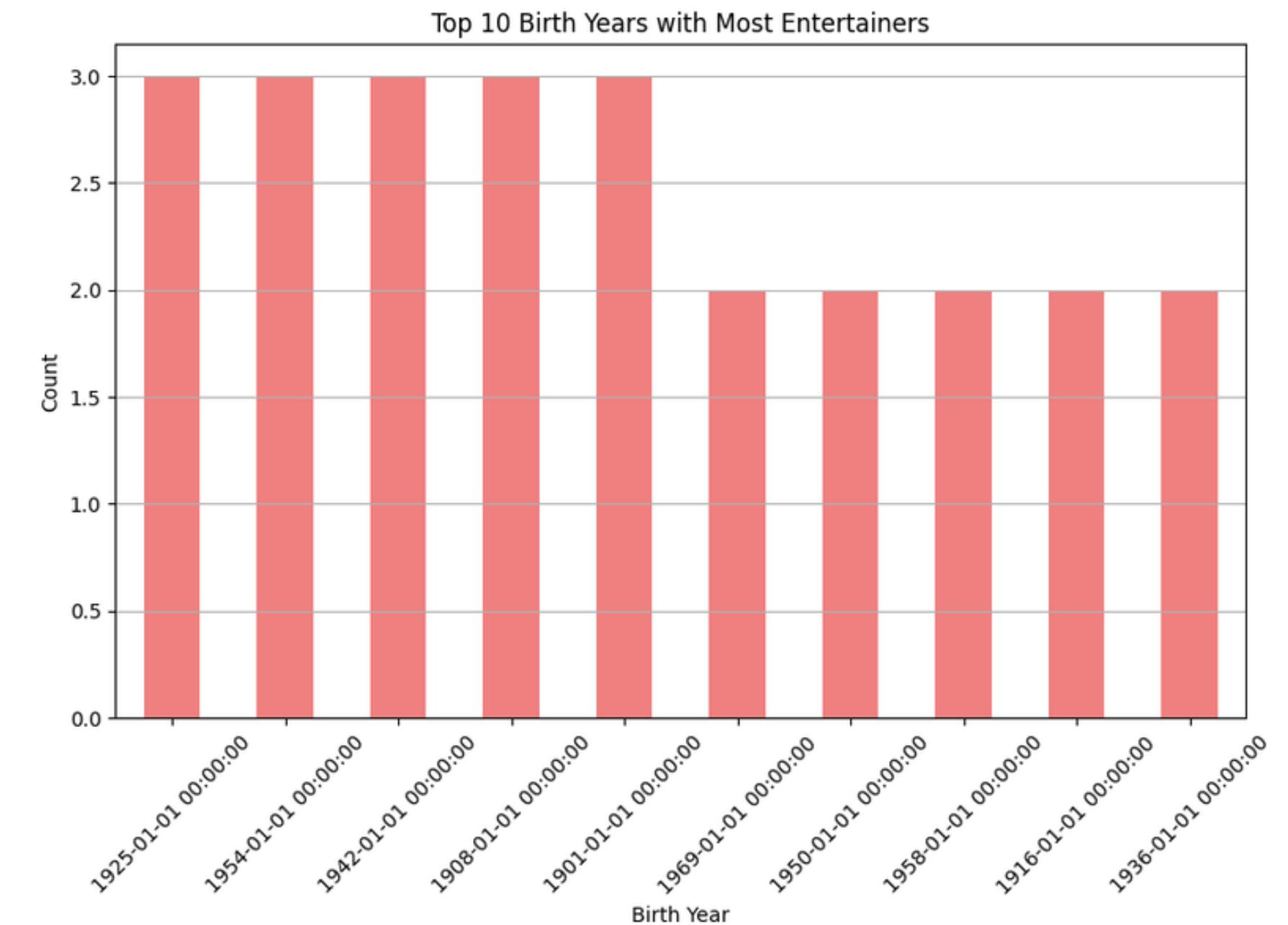
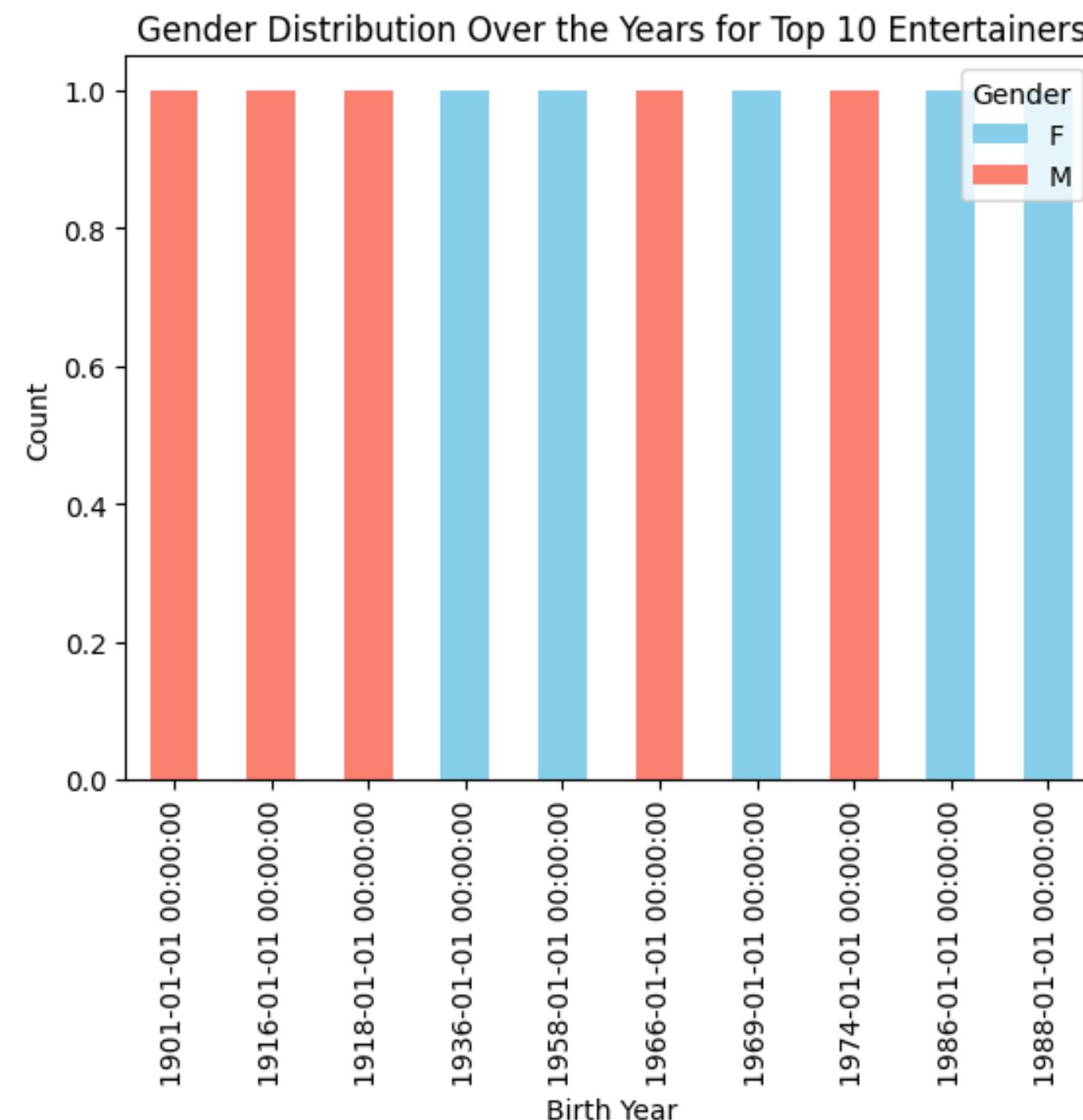
- Entertainer data consists of 3 datasets Entertainer basic info. data,entertainer breakthrough year info. data and entertainer last work info. data.

# DATA CLEANING

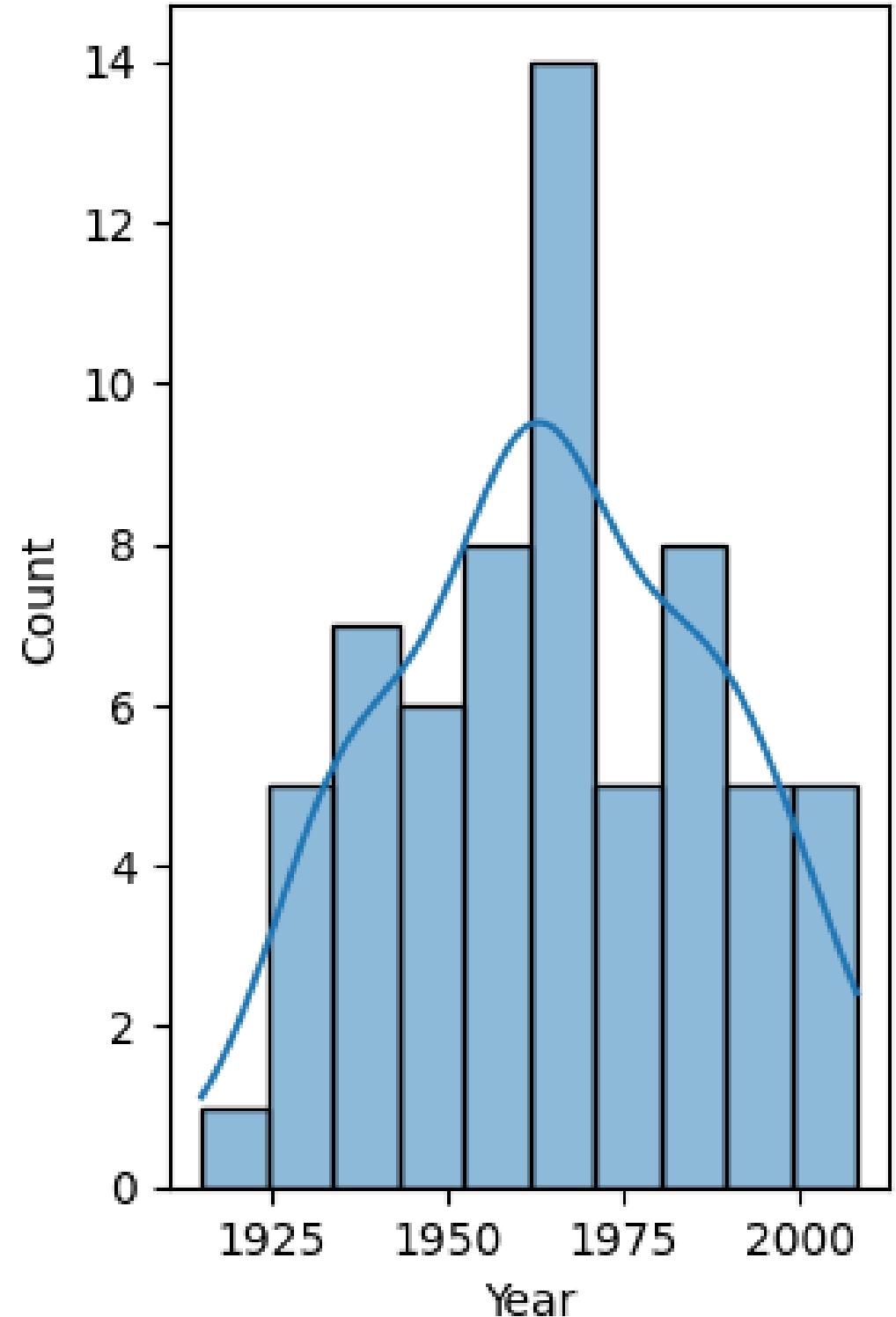
- Entertainer data consists of 3 datasets Entertainer basic info. data,entertainer breakthrough year info. data and entertainer last work info. data.
- Entertainer basic info. data is already cleaned.
- Entertainer breakthrough year info data &last work info. data contains blank cells then the rows that containing blank cells are removed using MS Excel.
- Data is cleaned using Excel.

# DATA ANALYSIS

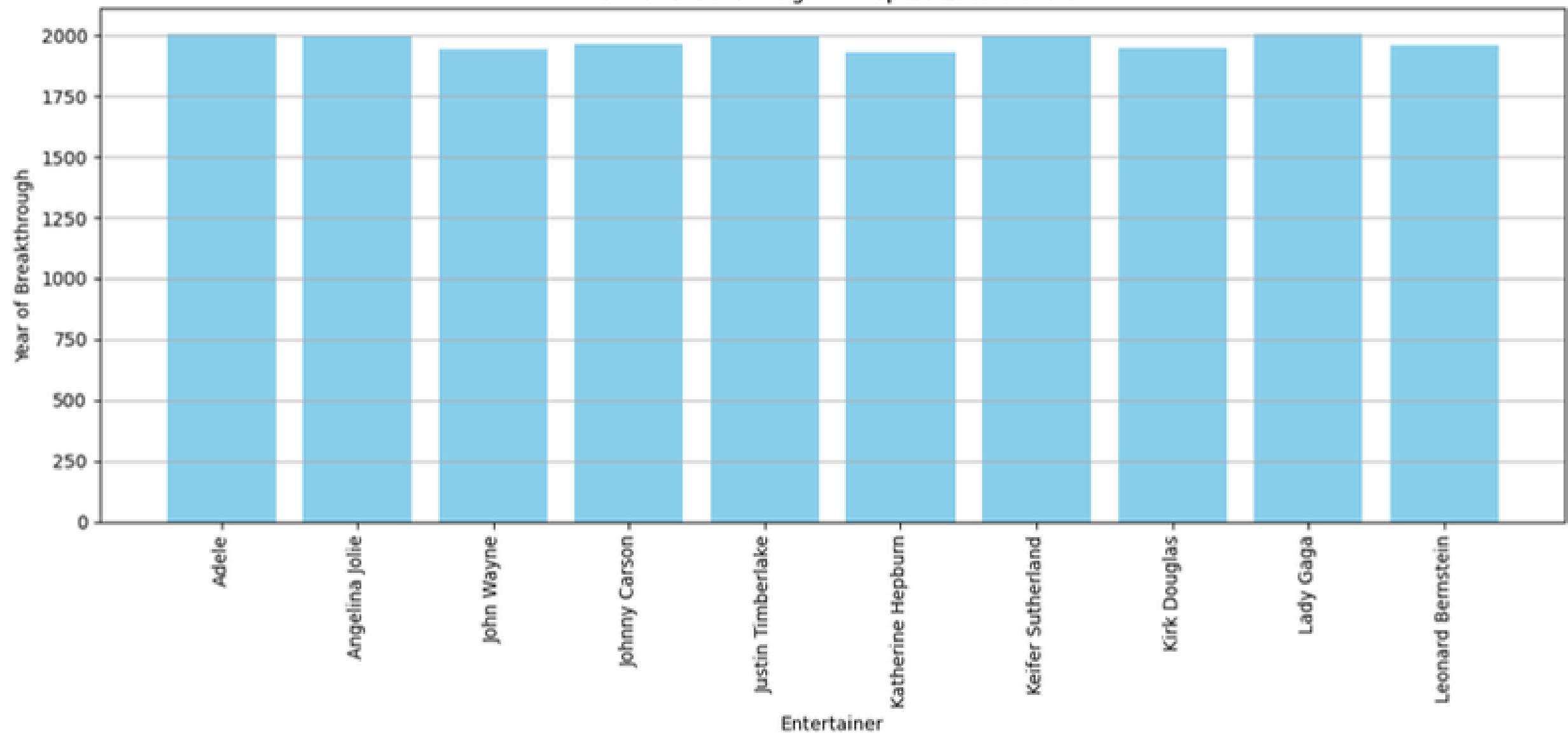




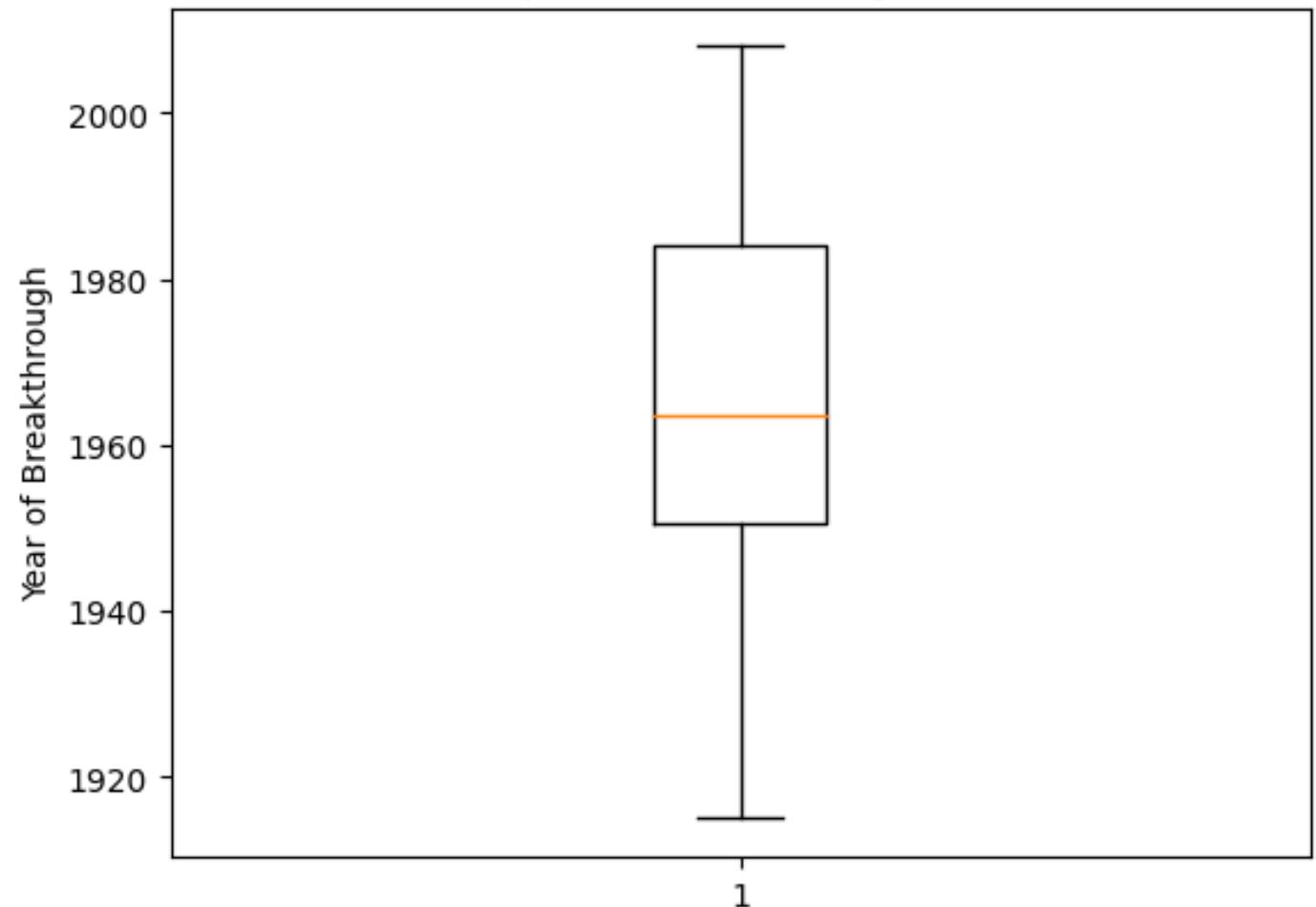
## Year of Breakthrough Distribution



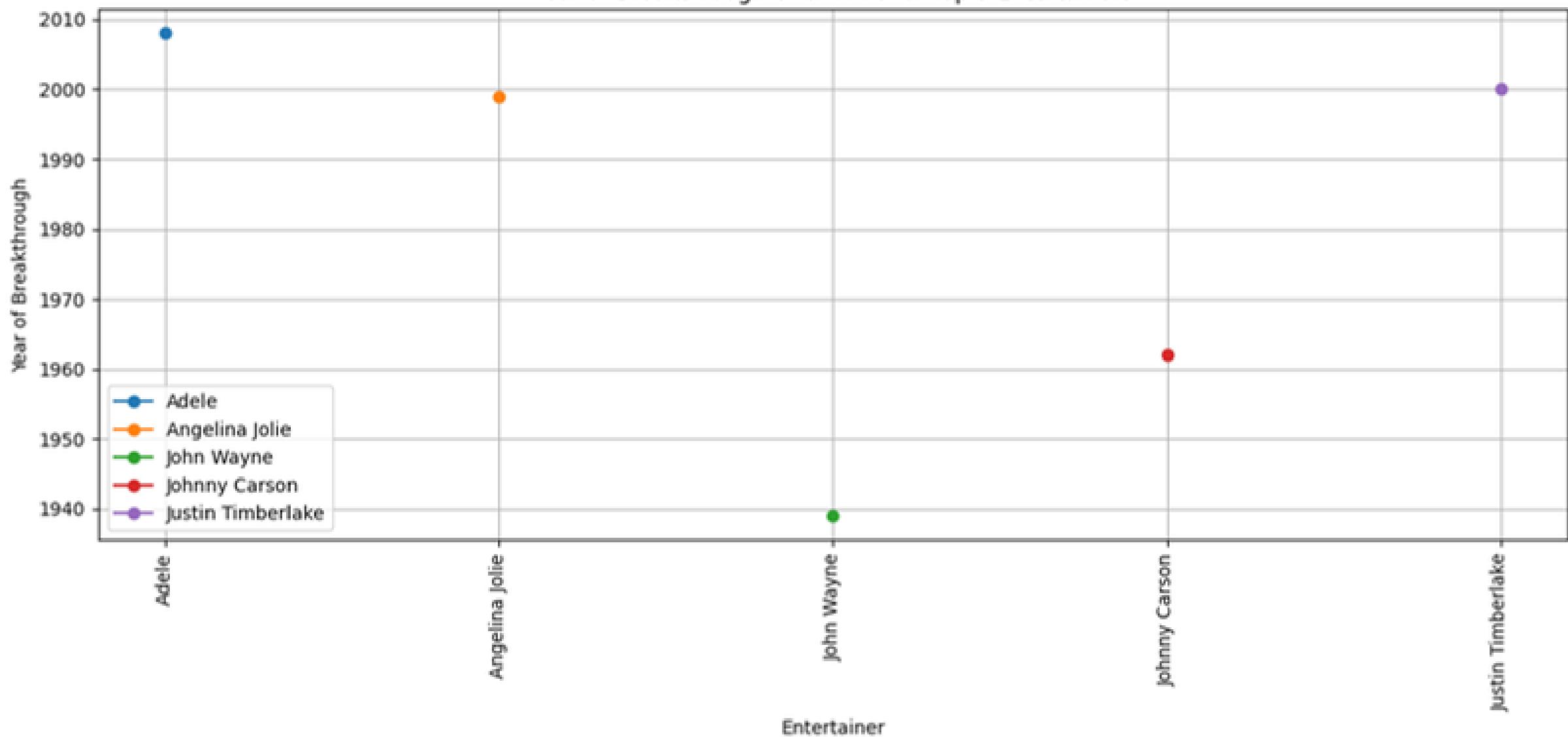
## Year of Breakthrough for Top 10 Entertainers



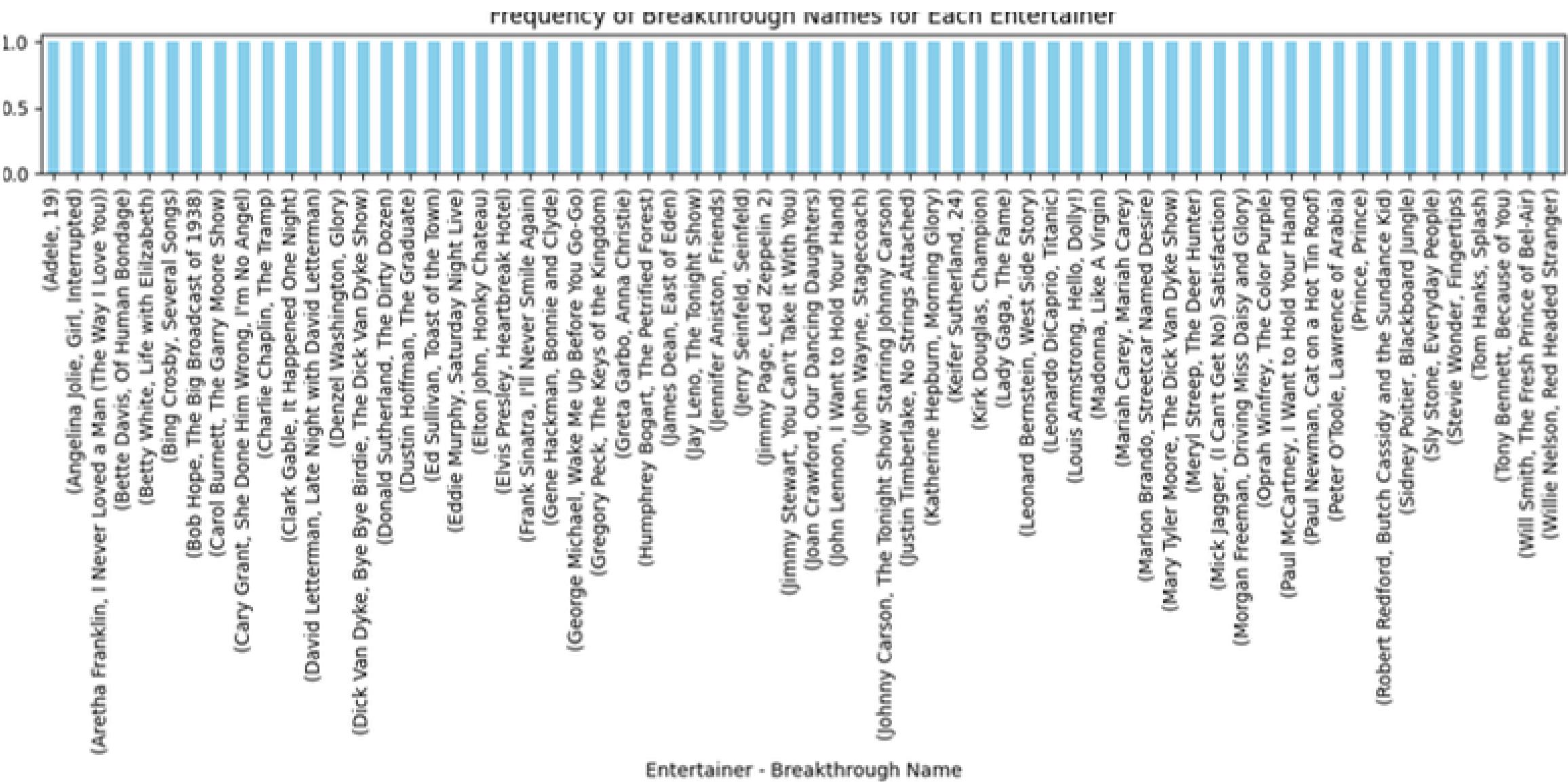
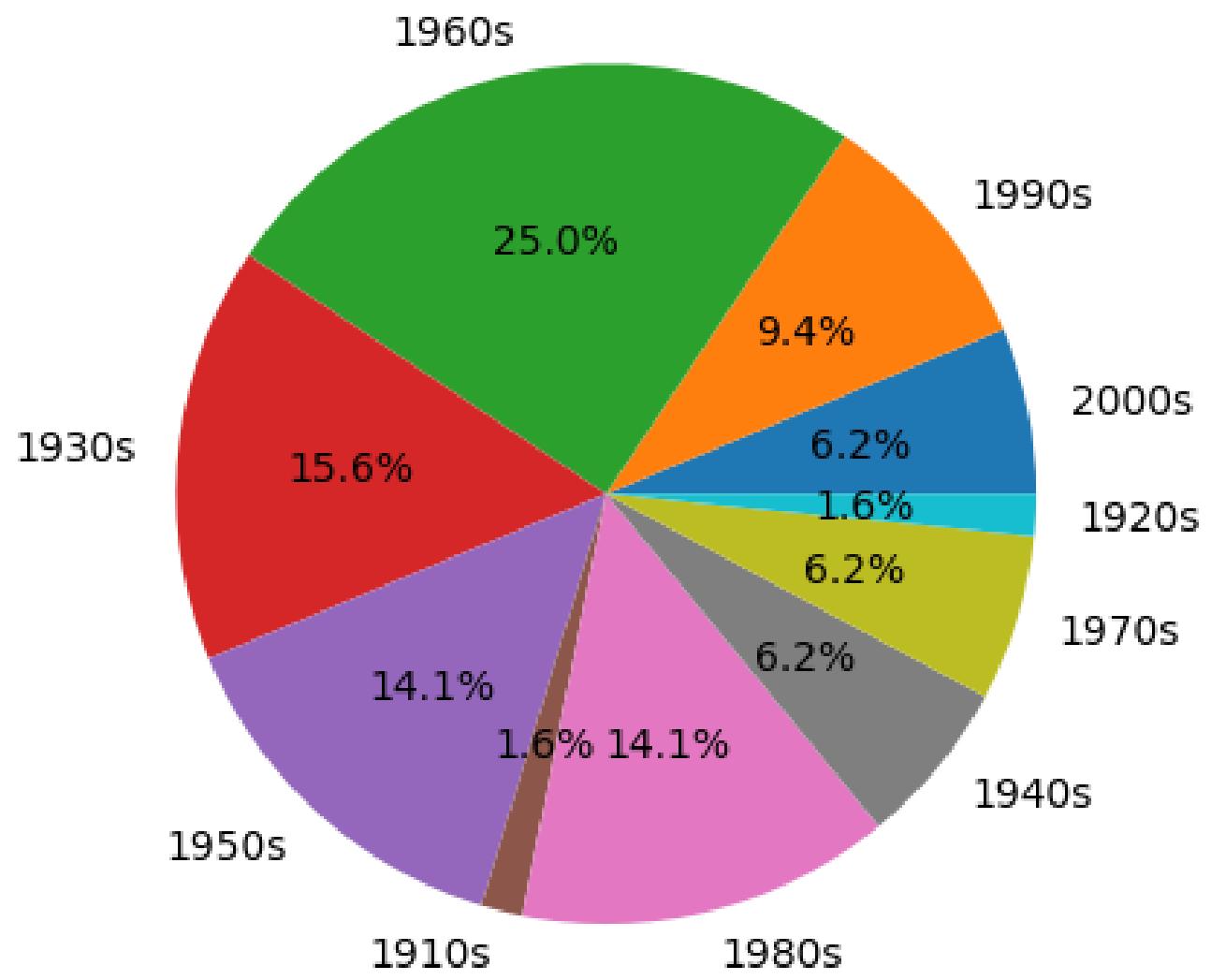
Boxplot of Breakthrough Years

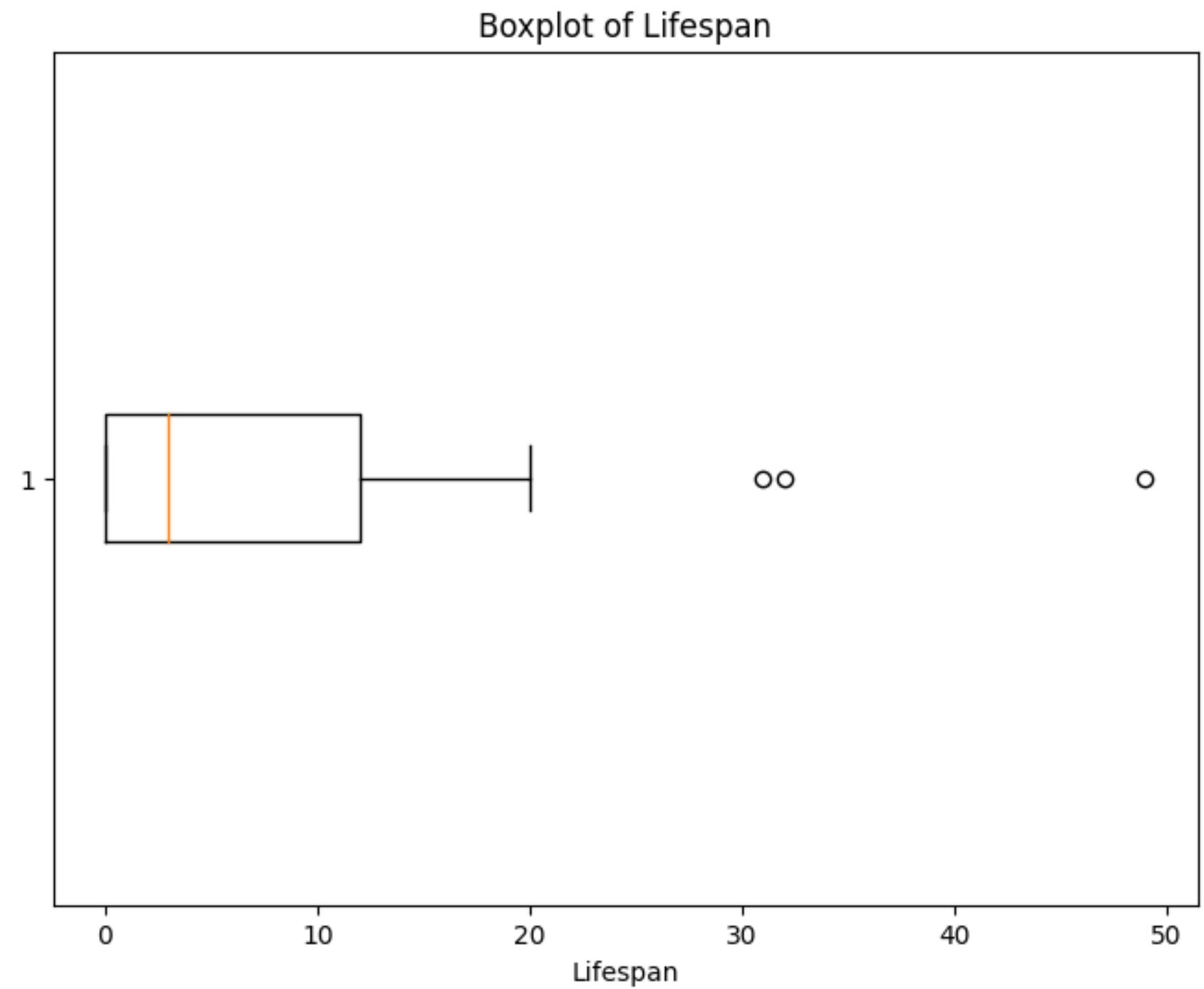
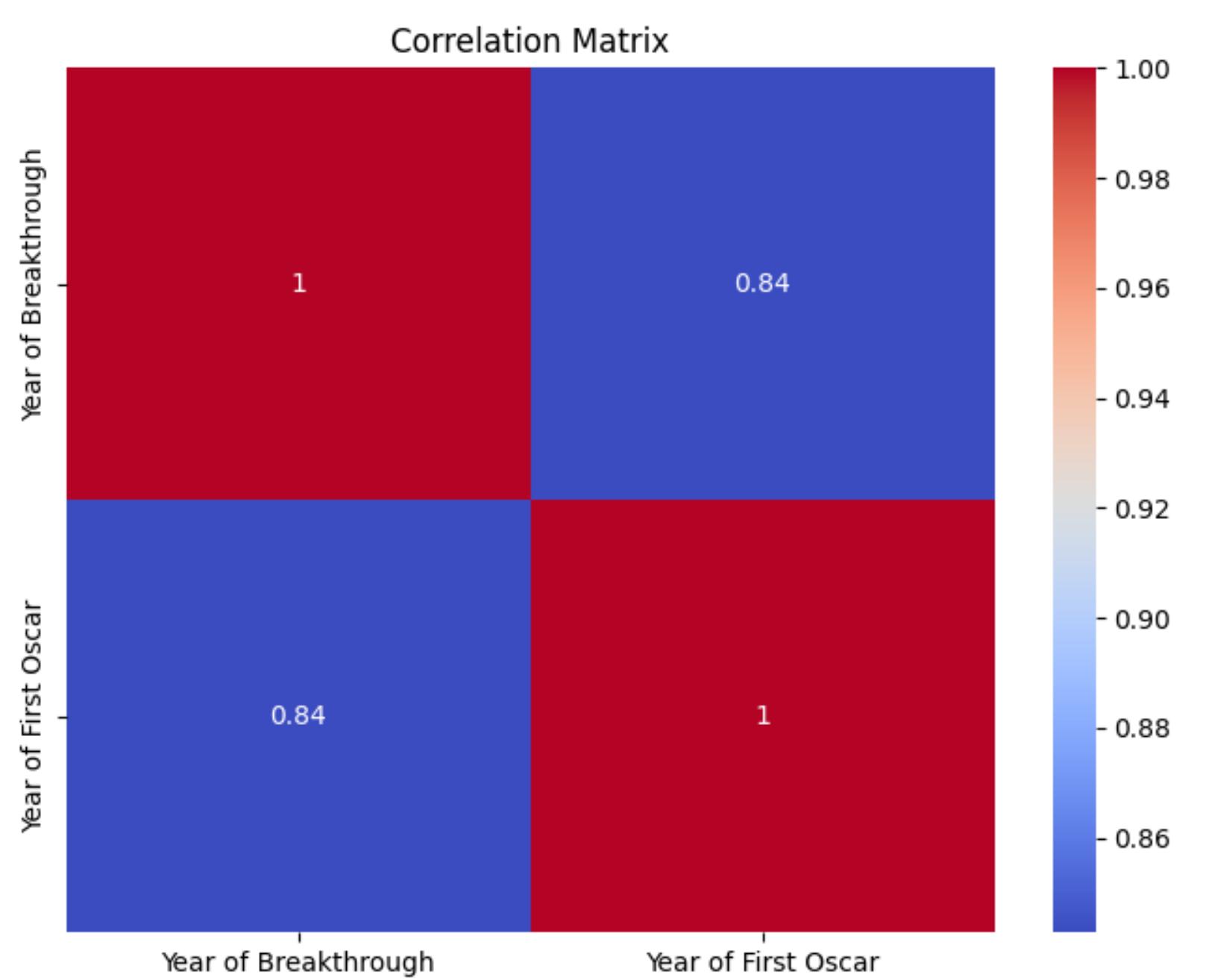


Year of Breakthrough Over Time for Top 5 Entertainers

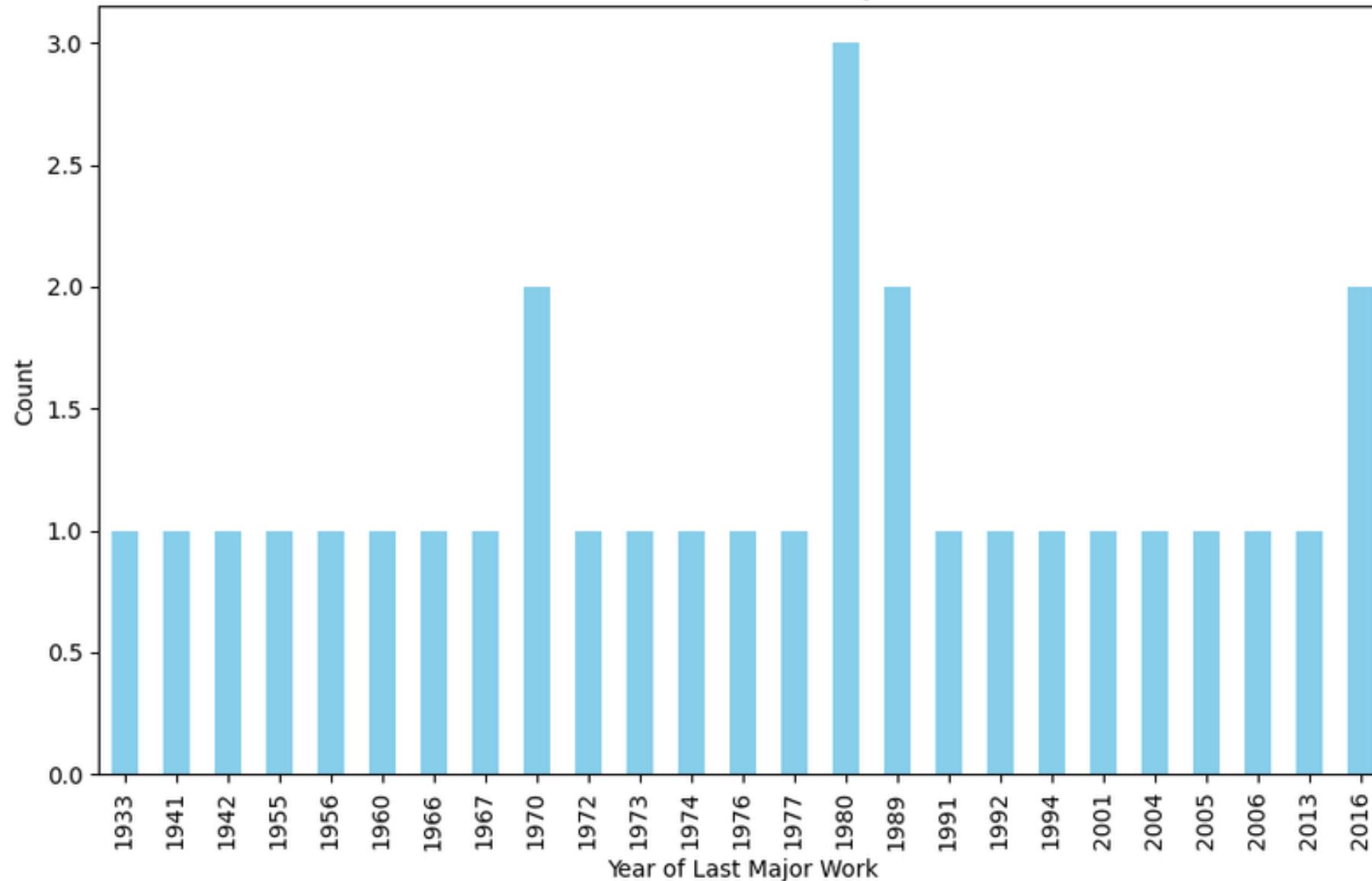


## Distribution of Breakthrough Years by Decade

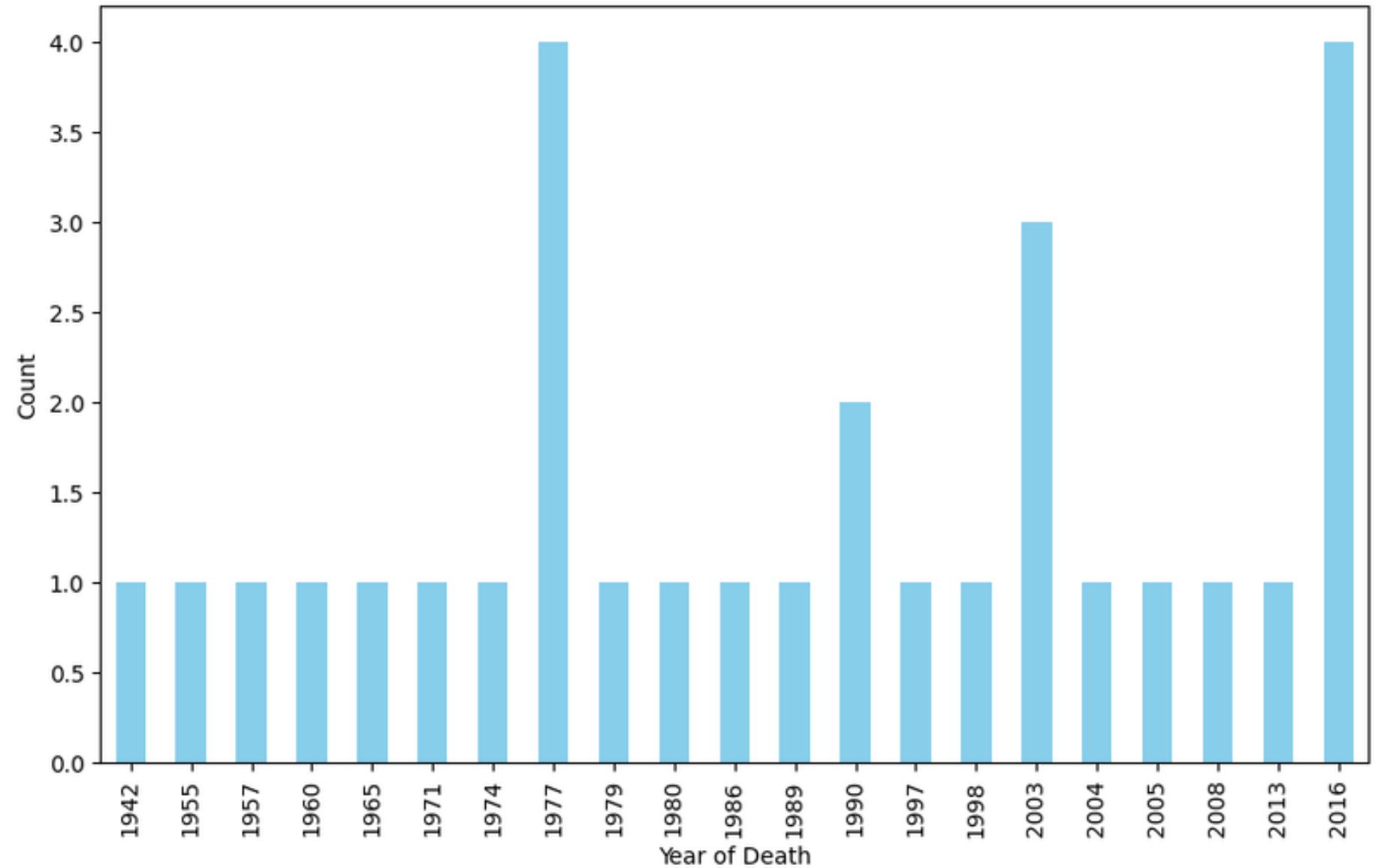




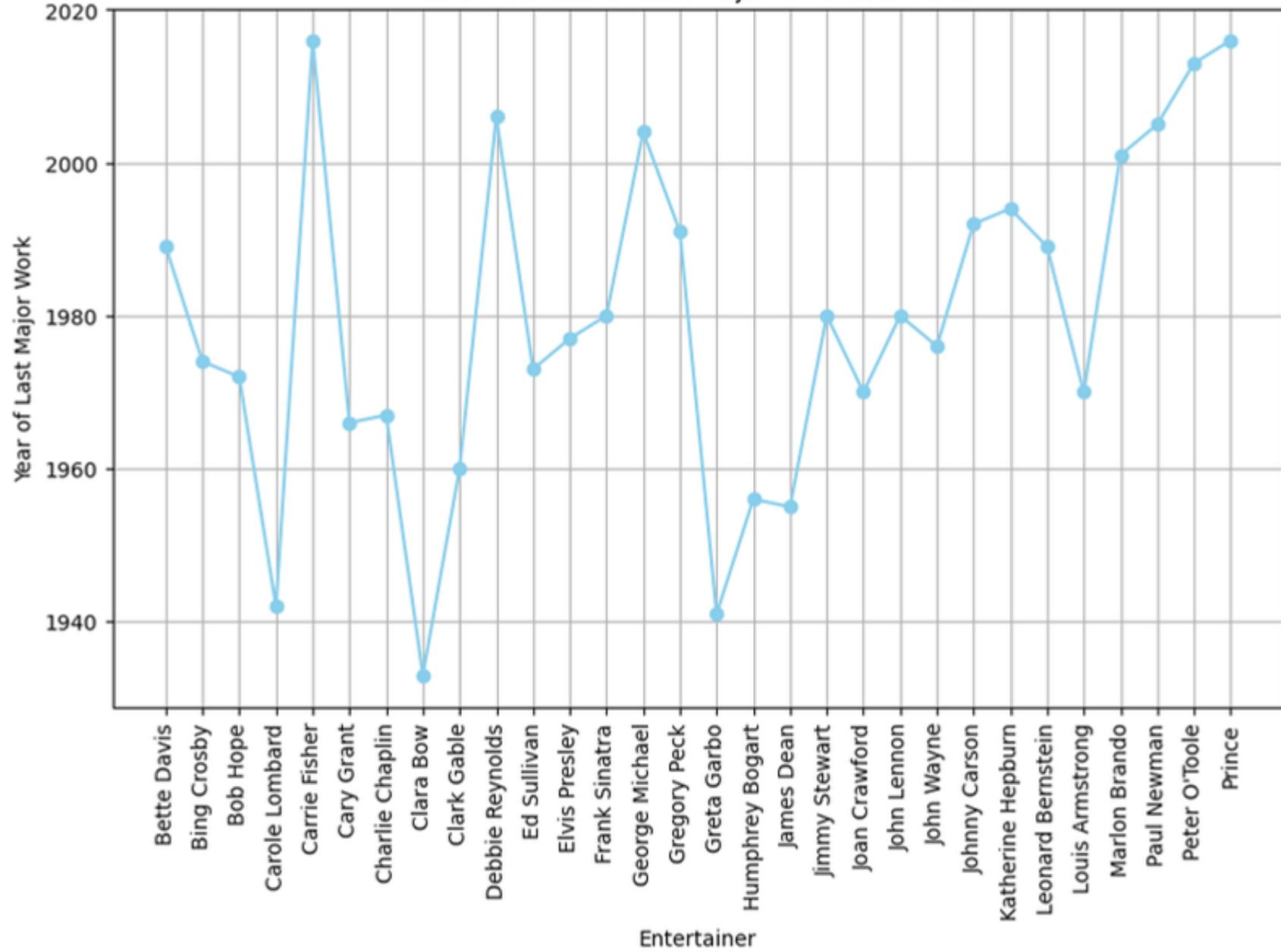
Bar Plot of Year of Last Major Work



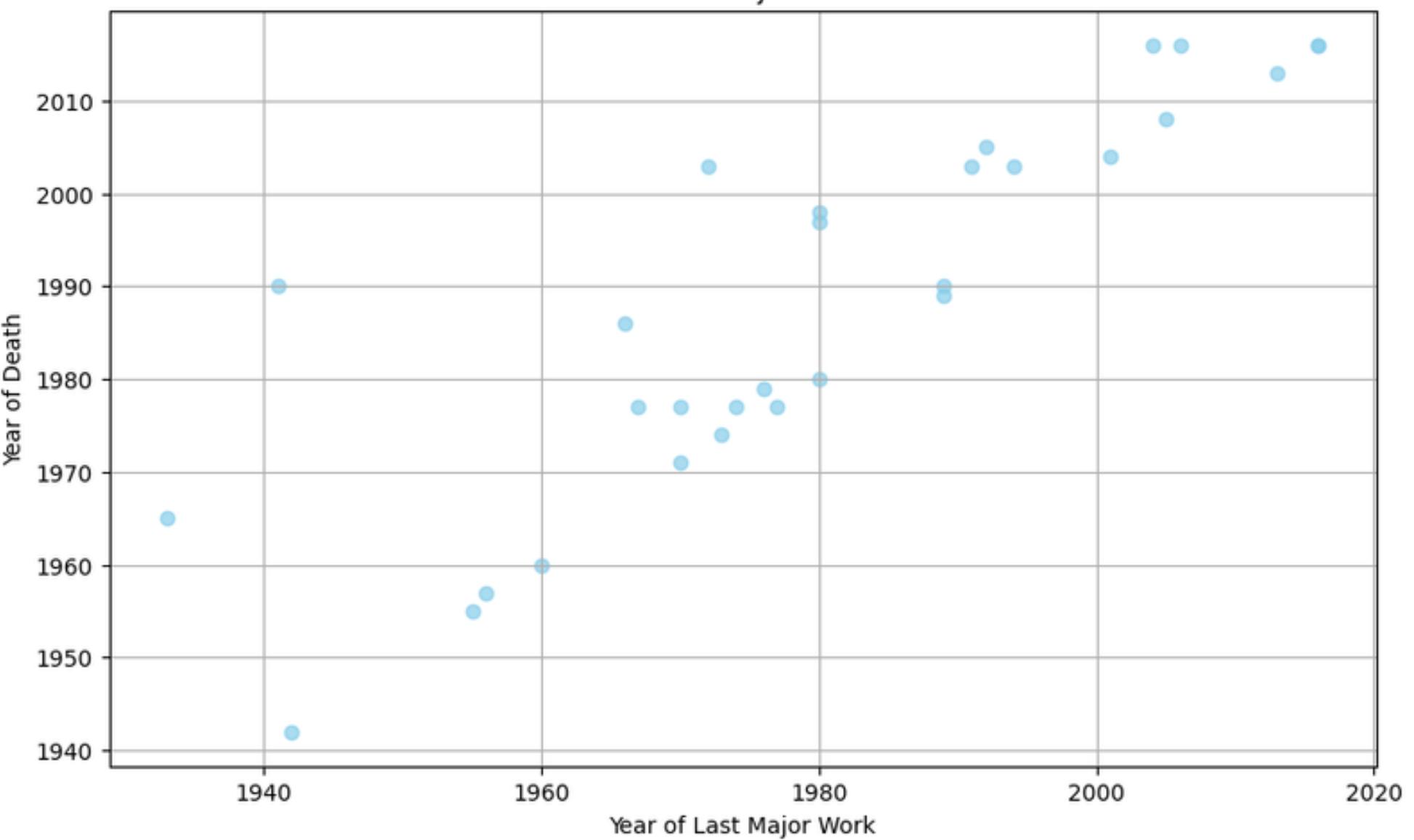
Bar Plot of Year of Death



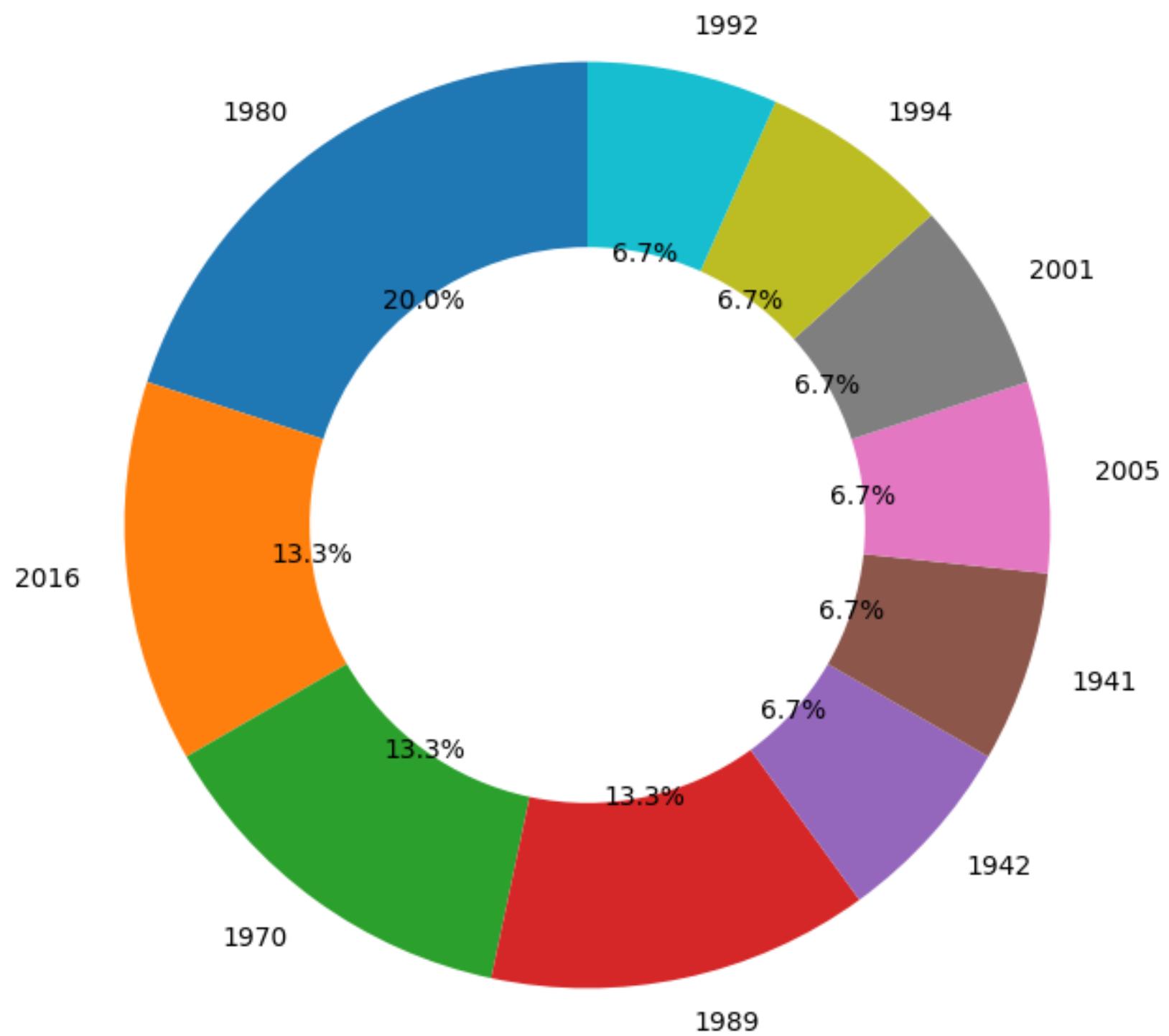
Line Plot: Year of Last Major Work over Time



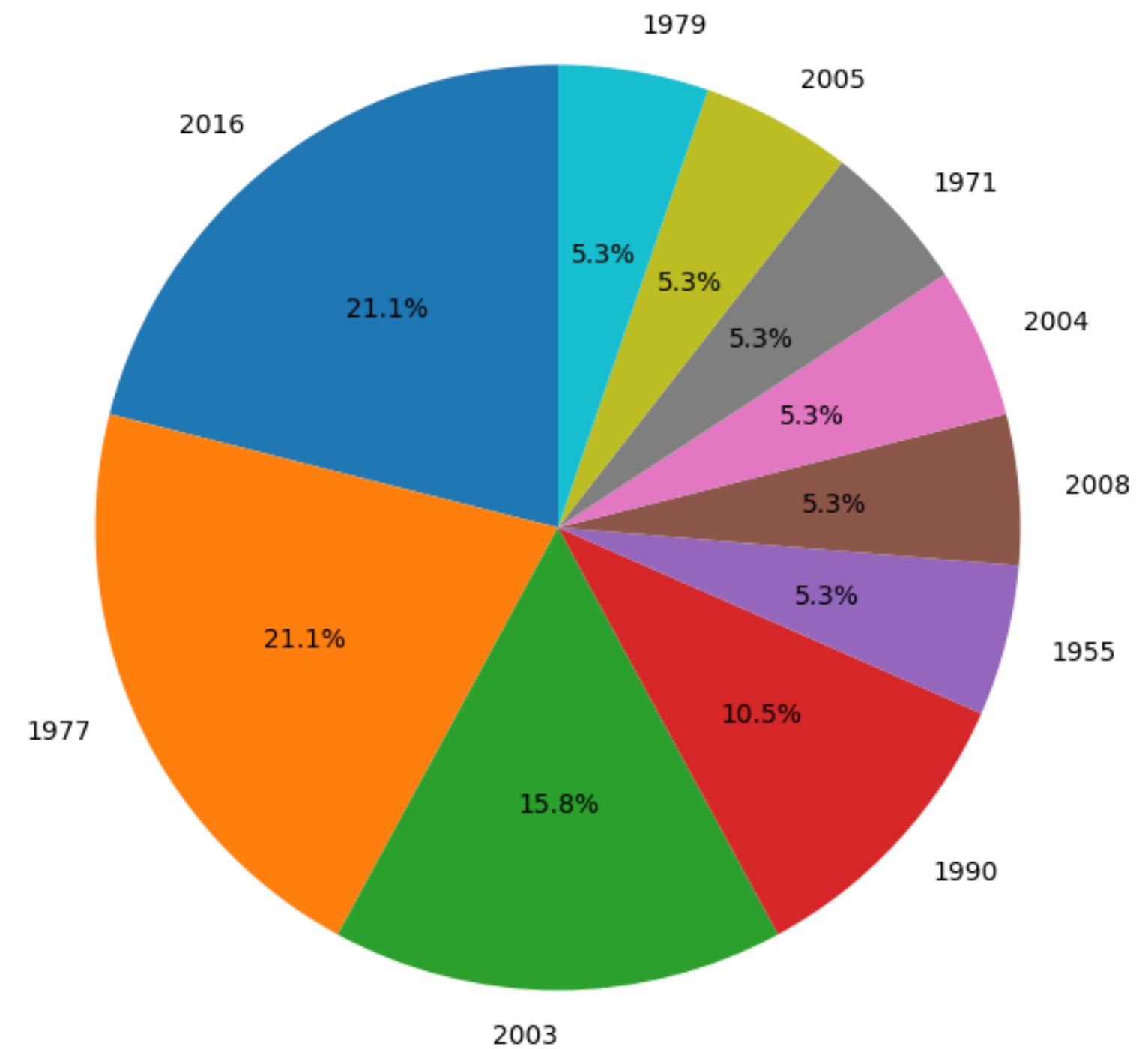
Scatter Plot: Year of Last Major Work vs. Year of Death



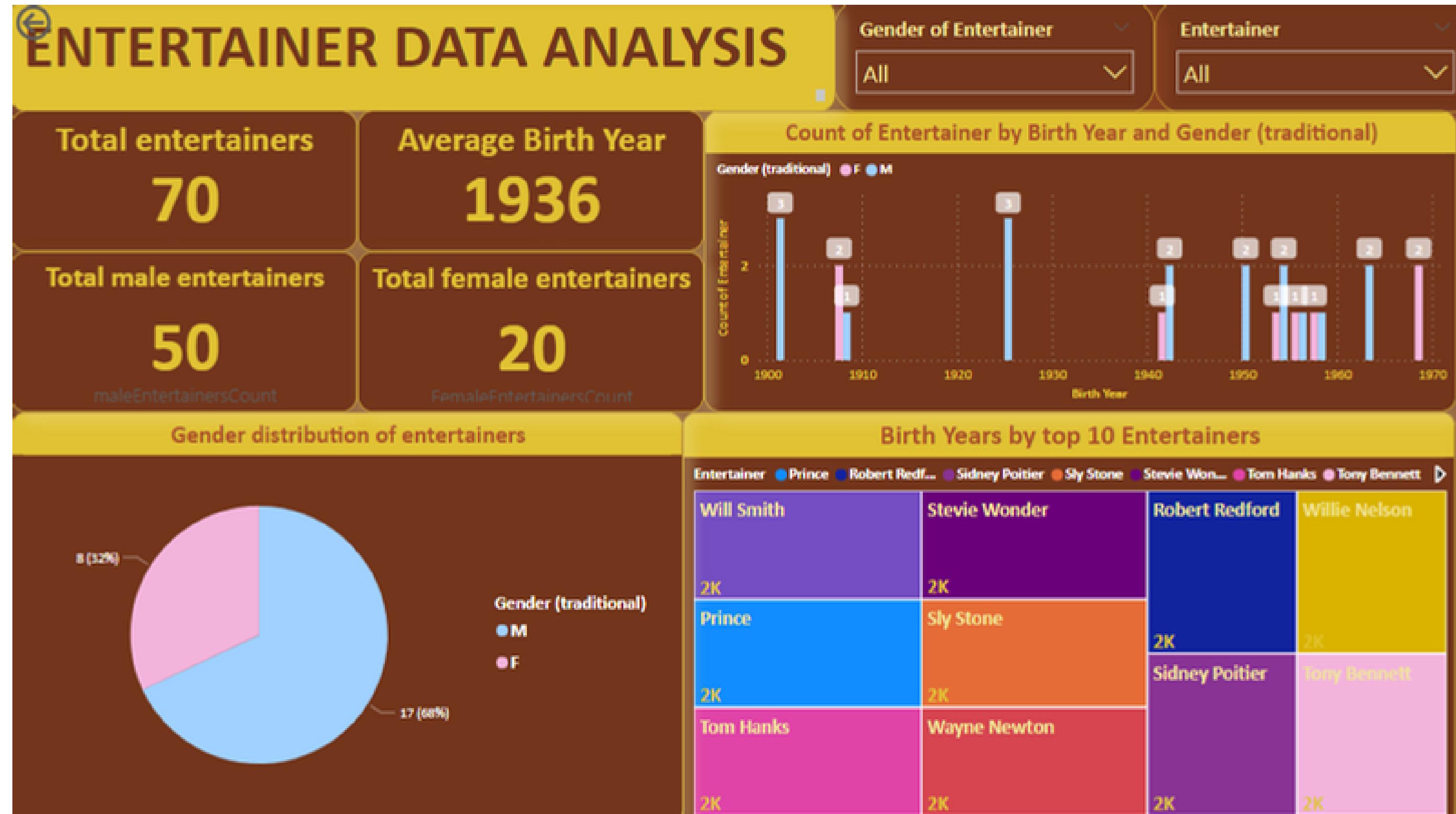
Top 10 Years of Last Major Work (Donut Chart)



Top 10 Years of Death (Pie Chart)



# DASHBOARDS



Total entertainers  
**64**

Total breakthrough names  
**63**

Avg year of first oscar  
**1976**

Average breakthrough years  
**1965**

Entertainer  
▼

All  
▼

Breakthrough Name  
▼

All  
▼

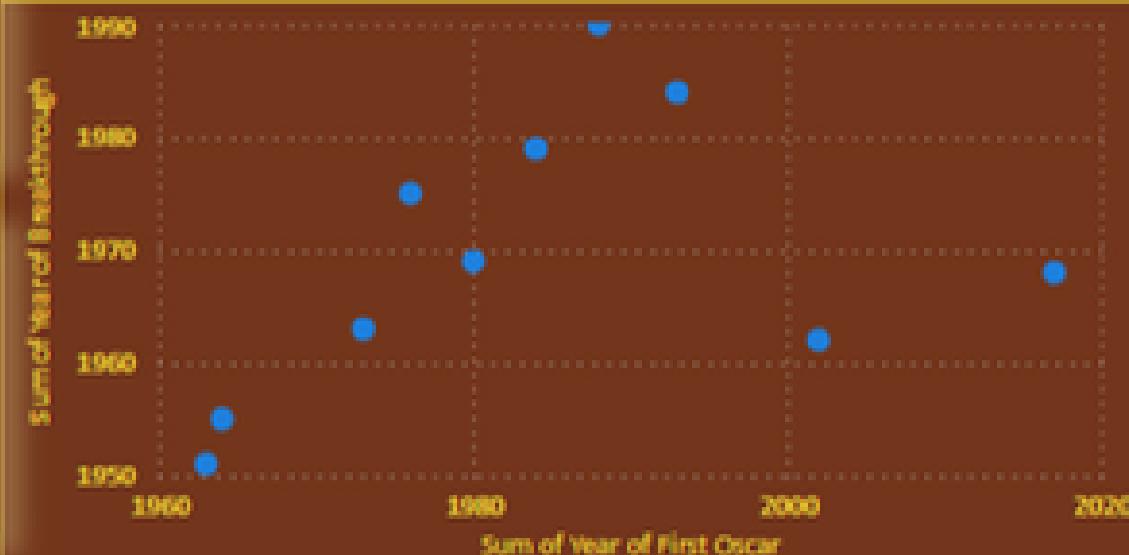
Year of Breakthrough  
▼

All  
▼

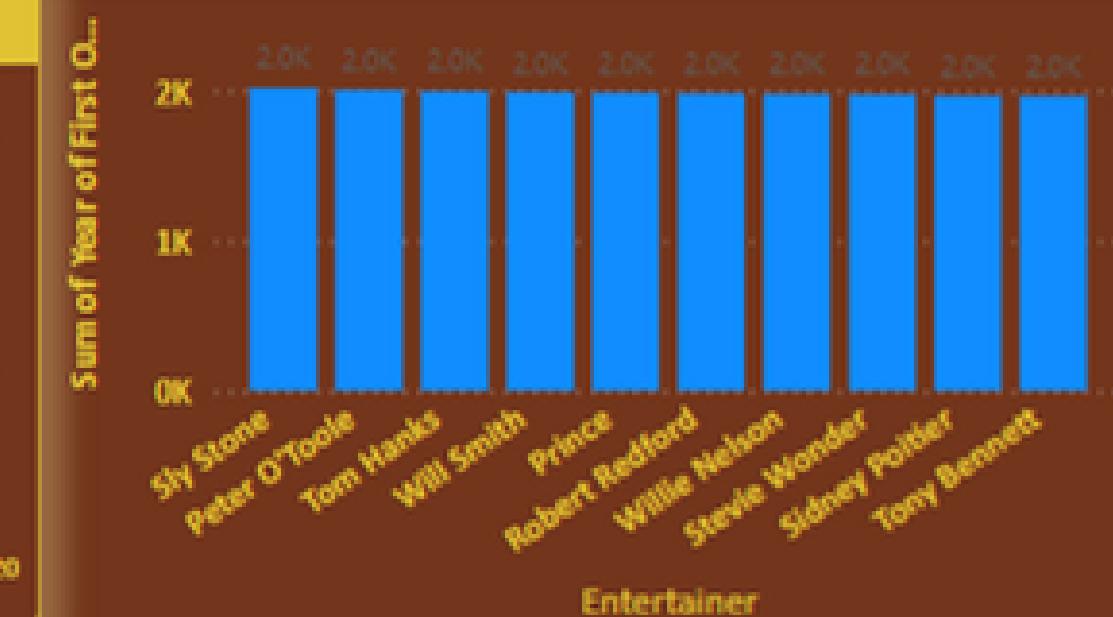
Year of First Oscar  
▼

All  
▼

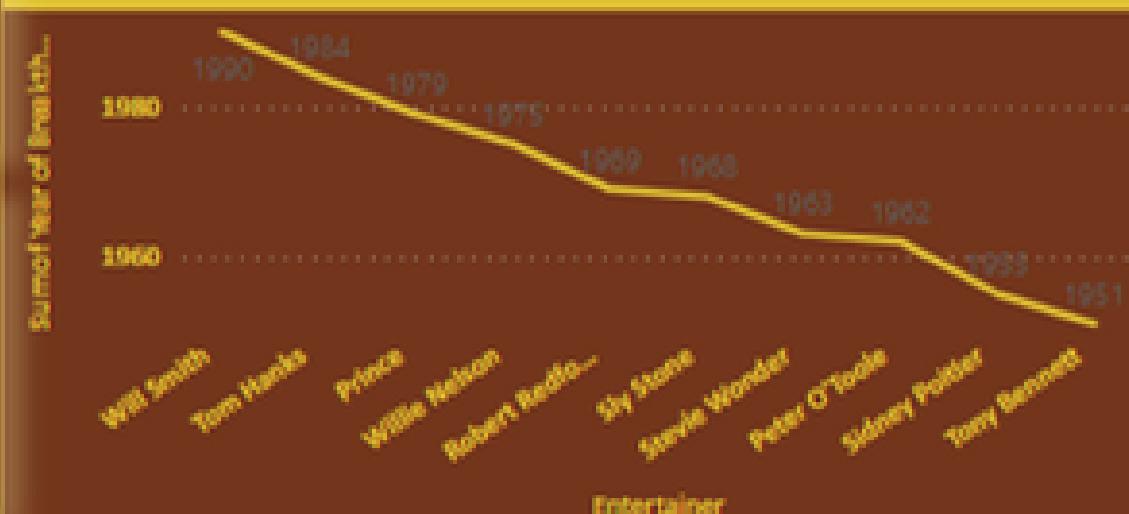
Relation between breakthrough years & year of first oscar



Top 10 Years of First Oscar Nominations



Sum of Year of Breakthrough by Entertainer



BreakthroughNameCount by Breakthrough Name and Entertainer



Total entertainers

**30**

Total years of last major work

**25**

Total years of deaths

**21**

Entertainer

All

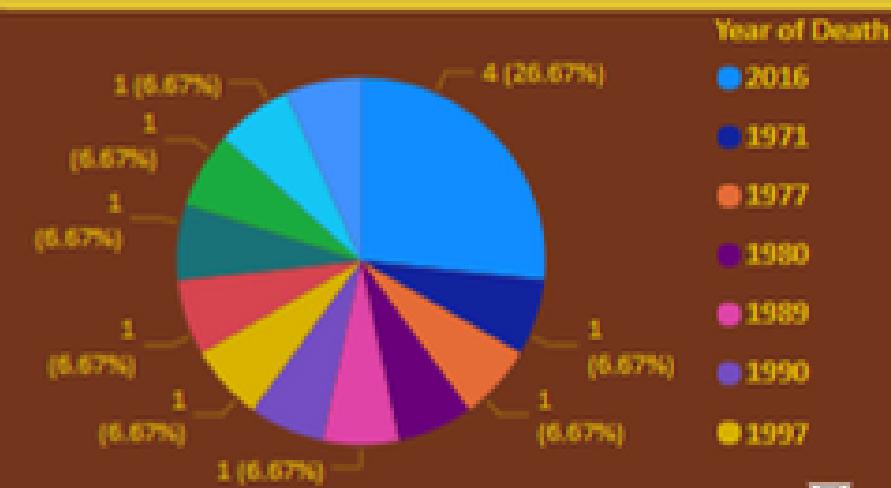
Year of last major work

All

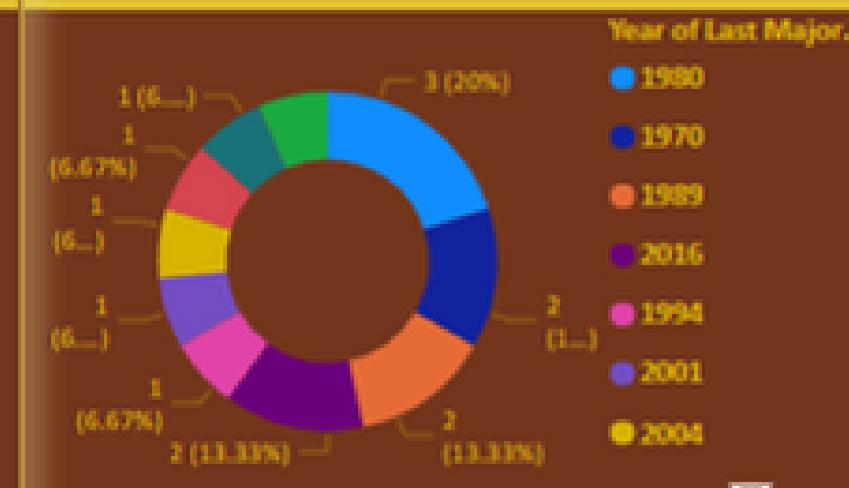
Year of deaths

All

### Top 10 years of death



### Top 10 years of last major work



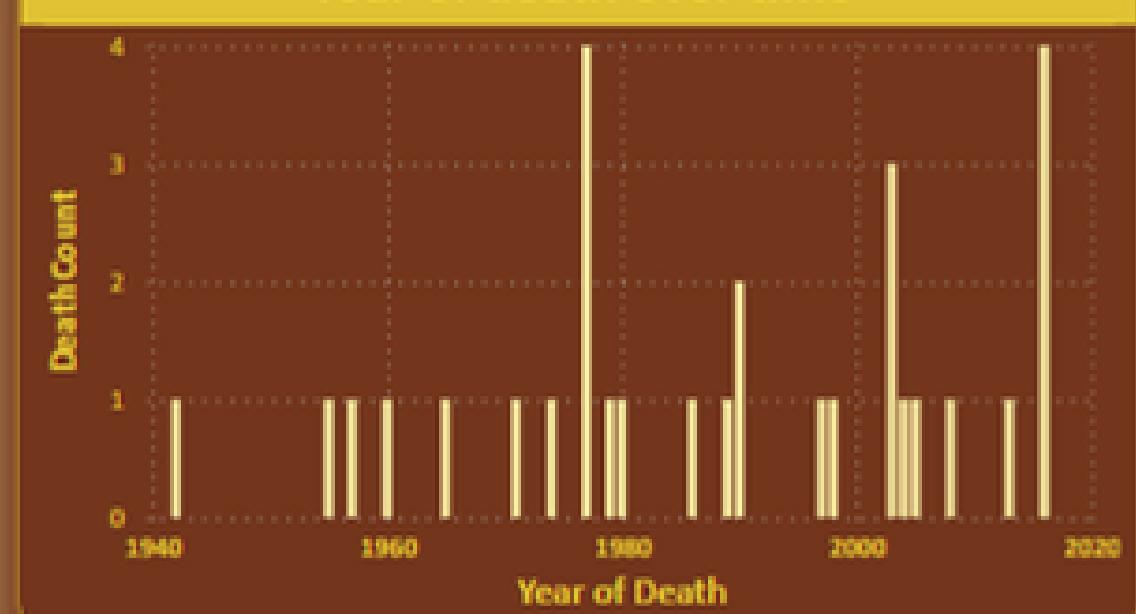
### Year of last major work over time



### Relation between year of last major work and year of death



### Year of death over time



# **KEY METRICS (Entertainer Basic info data)**

- Total entertainers are 70, Total males are 50, Total females are 20 and average birth year is 1936.
- The distribution of birth years appears to be relatively symmetric, with a slight right skewness and lighter tails than a normal distribution.
- The majority of entertainers in the dataset are males.
- A balanced gender distribution among the top 10 entertainers across different birth years.
- More entertainers were born in year 1925, 1954, 1942, 1908, 1901 and fewer entertainers were born in year 1936, 1916, 1958, 1950, 1969.

# (Entertainer Breakthrough info data)

- Total entertainers are 30,Total breakthrough names are 63,average year of first oscar is 1976, average breakthrough year is 1965.
- The distribution is approximately symmetrical with a slight left skewness.
- Highest Later year of breakthrough is in year 2000 for entertainers Adele,Angelina joilie,Justin Timberlake,Keifer sutherland,Lady gaga.
- Most entertainers experienced success early in their careers.
- Years of breakthrough over time for top 5 entertainers are 2008,1999,1962,1939,2000.
- The higher count of decade is 25% in breakthrough year 1960 suggests a period of dynamic change and creative ferment within the entertainment industry, with lasting implications for cultural expression and societal influence

- **Frequency of Breakthrough Names for Each Entertainer is one.**
- **A strong positive relationship between breakthrough years and the year of the first Oscar nomination, emphasizing the interconnectedness of these key milestones in an entertainer's career journey.**

# (Entertainer last work info data)

- Average lifespan of entertainers 8.53 years, total entertainers are 30, total years of last major work are 25, total death years are 21.
- The majority of individuals have shorter lifespans, with outliers indicating a few individuals with significantly longer lifespans, highlighting variability in lifespan distribution.
- The year 1980 had the highest count of major works among all the years represented in the data.
- The year 1977 had the highest count of deaths among all the years represented in the data.
- Carole Lombard's last major work occurred in a later year compared to other entertainers in the data.
- The entertainers who had their last major works later in their careers tended to live longer, showcasing a potential association between career longevity and lifespan.

- Three entertainers had their last major work in the year with the highest count, representing the largest proportion 20% of year of major works is 1980 among the top 10 years considered in the data.
- Entertainers had their year of deaths in the year 1977 and 2016 with the highest count 4, representing the largest proportion 21.1% among the top 10 years considered in the data.

**THANK YOU**