Assignment 1
BUSI 6516: Data Management
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1. Method: To solve this problem, I inserted a pivot table and placed 'Name' in the rows, 'Count of Name' in the values, and 'Category' as a filter. I then filtered the 'Category' to only show 'Academy Awards for Best Actor'. I filtered the 'Count of Name' to only display values greater than 1. I then copied the pivot table and pasted it using 'paste values' to keep the text formatting for when I used the concatenate function. I then used the concatenate function to create the text shown below.

    Source: The answers to Question 1 are on sheet '1' in my Excel file, in cells H22:H80. Rows with less than 1 winner are filtered from view.

    Answer:

Daniel Day-Lewis has won 3 Academy Awards for Best Actor.
Dustin Hoffman has won 2 Academy Awards for Best Actor.
Emil Jannings has won 2 Academy Awards for Best Actor.
Fredric March has won 2 Academy Awards for Best Actor.
Gary Cooper has won 2 Academy Awards for Best Actor.
Jack Nicholson has won 2 Academy Awards for Best Actor.
Marlon Brando has won 2 Academy Awards for Best Actor.
Sean Penn has won 2 Academy Awards for Best Actor.
Spencer Tracy has won 2 Academy Awards for Best Actor.
Tom Hanks has won 2 Academy Awards for Best Actor.

    *Please note – there appears to be an anomaly in the data where Emil Jannings has won the Academy Award for Best Actor twice in 1929 for two different movies.

2. Method: To answer this problem, I first manipulated the original data by inserting a column titled 'Year' and filled this column by using the left function to extract the year from the date column provided in the original data. I then formatted these values as numbers so they would be recognized as such in a pivot table.

    I then inserted a pivot table, placing 'Year' in the rows, 'Count of Year' in the values, and 'Gender' in columns. I then copied the pivot table and pasted it using 'paste values' to keep the text formatting for when I used the concatenate function. I then used the concatenate function to create the text shown below.

    Source: The answers to Question 2 are on sheet '2&3' in my Excel file, in cells L6:L93.

    Answer: On pages 2 & 3

In 1929, 3 women won academy awards and 10 men won academy awards.
In 1930, 3 women won academy awards and 9 men won academy awards.
In 1931, 1 women won academy awards and 6 men won academy awards.
In 1932, 2 women won academy awards and 8 men won academy awards.
In 1934, 2 women won academy awards and 8 men won academy awards.
In 1935, 2 women won academy awards and 11 men won academy awards.
In 1936, 1 women won academy awards and 11 men won academy awards.
In 1937, 2 women won academy awards and 12 men won academy awards.
In 1938, 2 women won academy awards and 12 men won academy awards.
In 1939, 3 women won academy awards and 11 men won academy awards.
In 1940, 2 women won academy awards and 14 men won academy awards.
In 1941, 3 women won academy awards and 16 men won academy awards.
In 1942, 2 women won academy awards and 16 men won academy awards.
In 1943, 2 women won academy awards and 16 men won academy awards.
In 1944, 2 women won academy awards and 18 men won academy awards.
In 1945, 3 women won academy awards and 17 men won academy awards.
In 1946, 2 women won academy awards and 18 men won academy awards.
In 1947, 2 women won academy awards and 17 men won academy awards.
In 1948, 2 women won academy awards and 19 men won academy awards.
In 1949, 3 women won academy awards and 18 men won academy awards.
In 1950, 1 women won academy awards and 20 men won academy awards.
In 1951, 3 women won academy awards and 19 men won academy awards.
In 1952, 3 women won academy awards and 20 men won academy awards.
In 1953, 3 women won academy awards and 20 men won academy awards.
In 1954, 3 women won academy awards and 20 men won academy awards.
In 1955, 3 women won academy awards and 20 men won academy awards.
In 1956, 4 women won academy awards and 19 men won academy awards.
In 1957, 3 women won academy awards and 23 men won academy awards.
In 1958, 2 women won academy awards and 16 men won academy awards.
In 1959, 2 women won academy awards and 19 men won academy awards.
In 1960, 3 women won academy awards and 20 men won academy awards.
In 1961, 3 women won academy awards and 20 men won academy awards.
In 1962, 3 women won academy awards and 16 men won academy awards.
In 1963, 6 women won academy awards and 17 men won academy awards.
In 1964, 2 women won academy awards and 20 men won academy awards.
In 1965, 2 women won academy awards and 19 men won academy awards.
In 1966, 4 women won academy awards and 19 men won academy awards.
In 1967, 4 women won academy awards and 17 men won academy awards.
In 1968, 2 women won academy awards and 16 men won academy awards.
In 1969, 4 women won academy awards and 15 men won academy awards.
In 1970, 3 women won academy awards and 15 men won academy awards.

In 1971, 2 women won academy awards and 16 men won academy awards.
In 1972, 2 women won academy awards and 15 men won academy awards.
In 1973, 3 women won academy awards and 14 men won academy awards.
In 1974, 3 women won academy awards and 13 men won academy awards.
In 1975, 4 women won academy awards and 13 men won academy awards.
In 1976, 3 women won academy awards and 14 men won academy awards.
In 1977, 3 women won academy awards and 14 men won academy awards.
In 1978, 3 women won academy awards and 15 men won academy awards.
In 1979, 3 women won academy awards and 15 men won academy awards.
In 1980, 3 women won academy awards and 15 men won academy awards.
In 1981, 3 women won academy awards and 14 men won academy awards.
In 1982, 3 women won academy awards and 15 men won academy awards.
In 1983, 4 women won academy awards and 17 men won academy awards.
In 1984, 4 women won academy awards and 15 men won academy awards.
In 1985, 3 women won academy awards and 15 men won academy awards.
In 1986, 2 women won academy awards and 16 men won academy awards.
In 1987, 4 women won academy awards and 14 men won academy awards.
In 1988, 3 women won academy awards and 15 men won academy awards.
In 1989, 2 women won academy awards and 18 men won academy awards.
In 1990, 4 women won academy awards and 15 men won academy awards.
In 1991, 4 women won academy awards and 15 men won academy awards.
In 1992, 4 women won academy awards and 16 men won academy awards.
In 1993, 5 women won academy awards and 14 men won academy awards.
In 1994, 6 women won academy awards and 14 men won academy awards.
In 1995, 7 women won academy awards and 14 men won academy awards.
In 1996, 5 women won academy awards and 16 men won academy awards.
In 1997, 6 women won academy awards and 15 men won academy awards.
In 1998, 5 women won academy awards and 16 men won academy awards.
In 1999, 4 women won academy awards and 16 men won academy awards.
In 2000, 3 women won academy awards and 15 men won academy awards.
In 2001, 5 women won academy awards and 14 men won academy awards.
In 2002, 5 women won academy awards and 14 men won academy awards.
In 2003, 4 women won academy awards and 16 men won academy awards.
In 2004, 6 women won academy awards and 13 men won academy awards.
In 2005, 5 women won academy awards and 16 men won academy awards.
In 2006, 5 women won academy awards and 16 men won academy awards.
In 2007, 6 women won academy awards and 16 men won academy awards.
In 2008, 6 women won academy awards and 15 men won academy awards.
In 2009, 3 women won academy awards and 18 men won academy awards.
In 2010, 4 women won academy awards and 16 men won academy awards.
In 2011, 3 women won academy awards and 18 men won academy awards.
In 2012, 4 women won academy awards and 17 men won academy awards.
In 2013, 6 women won academy awards and 16 men won academy awards.
In 2014, 5 women won academy awards and 16 men won academy awards.
In 2015, 5 women won academy awards and 16 men won academy awards.
In 2016, 7 women won academy awards and 15 men won academy awards.
In 2017, 5 women won academy awards and 12 men won academy awards.

3. Method: The answer to this problem was answered naturally via my methodology for Question 2.

   Source: The answer to Question 3 is on sheet '2&3' in my Excel file, in cell L94.

   Answer:

In total, since 1930, 301 women have won academy awards, in comparison to 1370 men.

4. Method: To solve this problem, I inserted a pivot table and placed 'Director' in the rows, 'Category' in the values, and 'Category' as a filter. For the values section, I renamed the column 'Academy Awards for Best Director'. I then filtered the 'Category' to only show 'Academy Awards for Best Director'. I filtered the values to only display values greater than 1. I then copied the pivot table and pasted it using 'paste values' to keep the text formatting for when I used the concatenate function. I then used the concatenate function to create the text shown below.

   Source: The answer to Question 4 is on sheet '4' in my Excel file, in cells H7:H25.

   Answer:

John Ford has won 4 Academy Awards for Best Director.
Frank Capra has won 3 Academy Awards for Best Director.
William Wyler has won 3 Academy Awards for Best Director.
George Stevens has won 2 Academy Awards for Best Director.
Milos Forman has won 2 Academy Awards for Best Director.
Joseph L. Mankiewicz has won 2 Academy Awards for Best Director.
David Lean has won 2 Academy Awards for Best Director.
Robert Wise has won 2 Academy Awards for Best Director.
Elia Kazan has won 2 Academy Awards for Best Director.
Billy Wilder has won 2 Academy Awards for Best Director.
Ang Lee has won 2 Academy Awards for Best Director.
Leo McCarey has won 2 Academy Awards for Best Director.
Frank Lloyd has won 2 Academy Awards for Best Director.
Oliver Stone has won 2 Academy Awards for Best Director.
Steven Spielberg has won 2 Academy Awards for Best Director.
Clint Eastwood has won 2 Academy Awards for Best Director.
George Cukor has won 2 Academy Awards for Best Director.
Fred Zinnemann has won 2 Academy Awards for Best Director.
Alejandro GonzÃilez IÃ±Ãirritu has won 2 Academy Awards for Best Director.

5. For an interesting chart, I used SAP Lumira to create a Bar Chart that displays the top Oscar winning movies within the dataset. I placed 'Movie Title' on the y-axis, count of 'Category' on the x-axis, and 'Year' in the Series. From the graph, we can see that the movie *Ben-Hur* has won the most Oscar awards with a total of 11 awards. This movie was awarded these movies in 1960, as can be seen from the legend on the chart. *The Lord of*

the Rings: Return of the King and *Titanic* are in second place for most Oscars won, with 10 awards in 2004 and 1998 respectively.

Top Oscar Winning Movies