

A Problem with Presidents

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In this analysis, we examined the lifespan of U.S. Presidents using basic exploratory data analysis techniques. We calculated new variables, such as `year_of_birth`, `lived_years`, `lived_months`, and `lived_days`, to better understand their lifespan. We then ranked the top 10 presidents by longest and shortest lifespan. Finally, we calculated various measures of the data and created a distribution plot of the data.

Shortest Lived Presidents

PRESIDENT	lived_days
John F. Kennedy	16,978
James A. Garfield	18,202
James K. Polk	19,583
Abraham Lincoln	20,516
Chester Arthur	20,863
Warren G. Harding	21,091
William McKinley	21,412
Theodore Roosevelt	21,985
Calvin Coolidge	22,099
Franklin Roosevelt	23,082

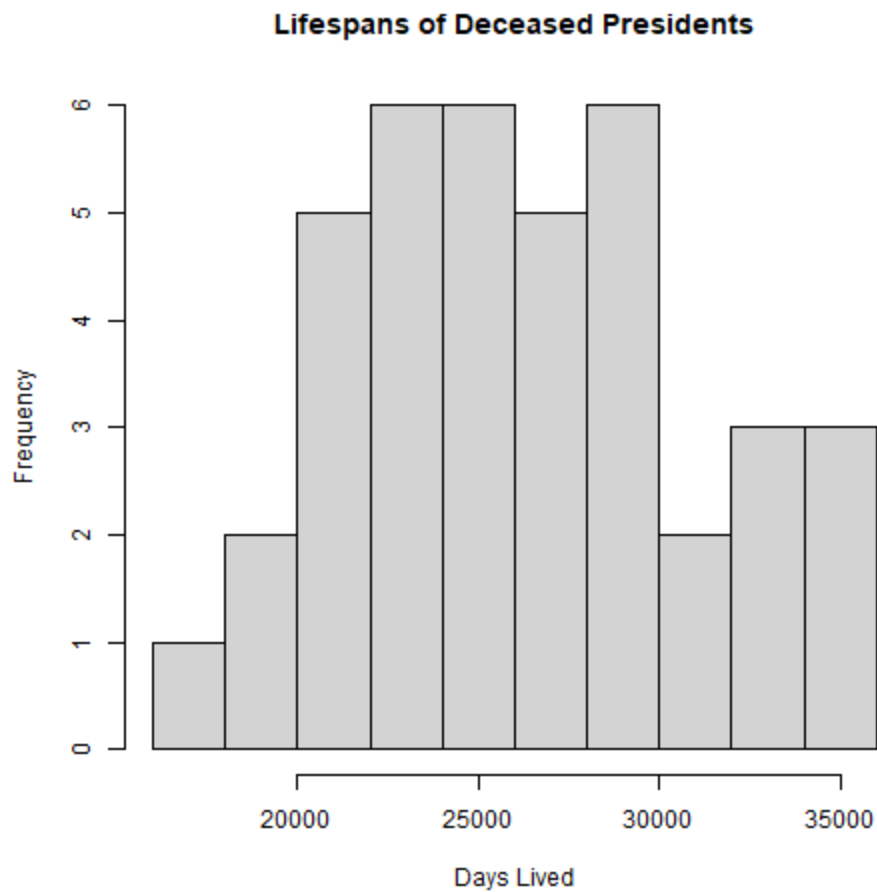
Longest Lived Presidents

PRESIDENT	lived_days
George Bush	34,504
Gerald Ford	34,133
Ronald Reagan	34,088
John Adams	33,119
Herbert Hoover	32,943
Harry S. Truman	32,373
James Madison	31,150
Thomas Jefferson	30,397
Richard Nixon	29,688
John Quincy Adams	29,446

One thing that should be noted is that this is a display of the currently deceased former presidents. Due to having a constantly changing lifespan, currently presidents were removed from the dataset.

Calculated Measures

Name	Days.Lived
Mean	26,097.179
Median	25,673.000
Maximum	34,504.000
Minimum	16,978.000
St. Deviation	4,596.072



Through the data we can see that the shortest lived presidents were John F Kennedy and James Garfield, both of which were assassinated. The longest living presidents were George Bush and Gerald Ford. Overall we can see that presidents tend to live an average of about 71 years.