

A Problem with Presidents

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This analysis shows the presidents that lived the longest and shortest period. The longest-lived president was George Bush who lived 94 and a half years. The shortest-lived president was John F. Kennedy who lived 46 and a half years. The average life span of the president is 26097 days which is approximately 71 and a half years.

The analysis was done using Python and Pandas. The birth date and death date were converted to a year-month-day format. The lived years and lived months are not rounded to show the precise lifespan in years and months. The presidents that are still alive were not included.

Longest Lived Presidents

PRESIDENT	BIRTH DATE	BIRTH PLACE	DEATH DATE	LOCATION OF DEATH	LIVED YEARS	LIVED MONTHS	LIVED DAYS
George Bush	1924-06-12 00:00:00	Milton, Mass.	2018-11-30 00:00:00	Houston, Texas	94.5	1131.3	34504.0
Gerald Ford	1913-07-14 00:00:00	Omaha, Nebraska	2006-12-26 00:00:00	Rancho Mirage, Cal.	93.5	1119.1	34133.0
Ronald Reagan	1911-02-06 00:00:00	Tampico, Illinois	2004-06-05 00:00:00	Los Angeles, Cal.	93.4	1117.6	34088.0
John Adams	1735-10-30 00:00:00	Quincy, Mass.	1826-07-04 00:00:00	Quincy, Mass.	90.7	1085.9	33119.0
Herbert Hoover	1874-08-10 00:00:00	West Branch, Iowa	1964-10-20 00:00:00	New York, New York	90.3	1080.1	32943.0
Harry S. Truman	1884-05-08 00:00:00	Lamar, Missouri	1972-12-26 00:00:00	Kansas City, Missouri	88.7	1061.4	32373.0
James Madison	1751-03-16 00:00:00	Port Conway, Va.	1836-06-28 00:00:00	Orange Co., Va.	85.3	1021.3	31150.0
Thomas Jefferson	1743-04-13 00:00:00	Albemarle Co., Va.	1826-07-04 00:00:00	Albemarle Co., Va.	83.3	996.6	30397.0
Richard Nixon	1913-01-09 00:00:00	Yorba Linda, Cal.	1994-04-22 00:00:00	New York, New York	81.3	973.4	29688.0
John Quincy Adams	1767-07-11 00:00:00	Quincy, Mass.	1848-02-23 00:00:00	Washington, D.C.	80.7	965.4	29446.0

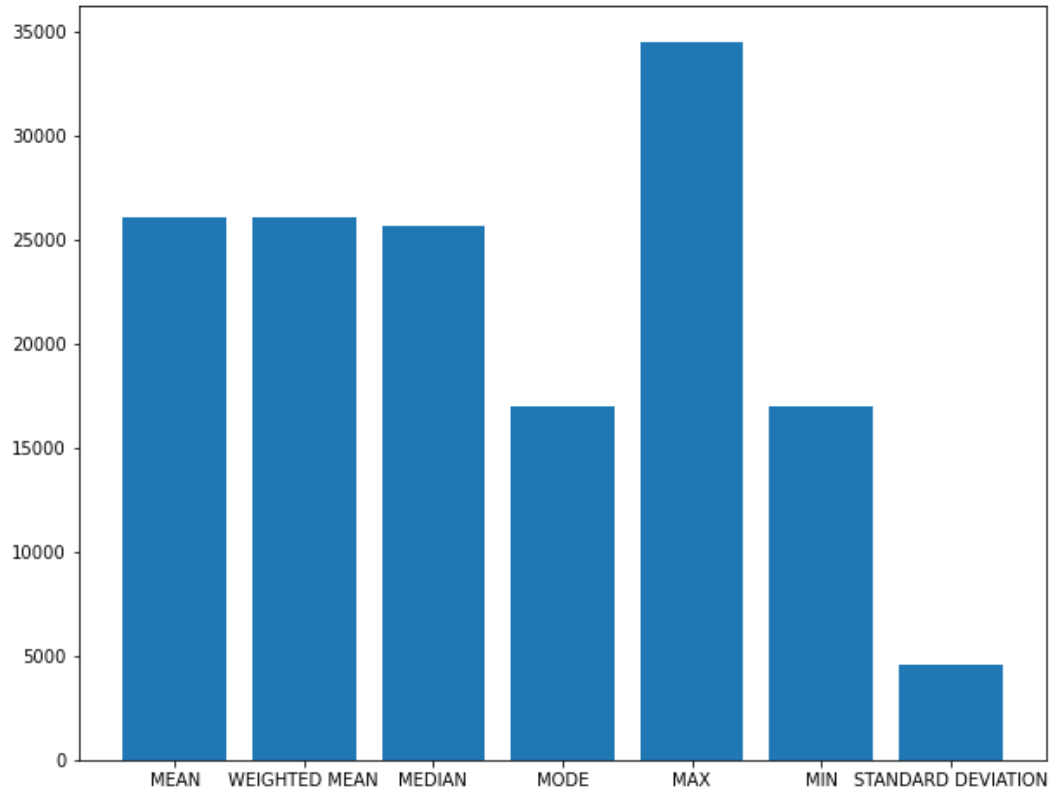
Shortest Lived Presidents

PRESIDENT	BIRTH DATE	BIRTH PLACE	DEATH DATE	LOCATION OF DEATH	LIVED YEARS	LIVED MONTHS	LIVED DAYS
John F. Kennedy	1917-05-29 00:00:00	Brookline, Mass.	1963-11-22 00:00:00	Dallas, Texas	46.5	556.7	16978.0
James A. Garfield	1831-11-19 00:00:00	Cuyahoga Co., Ohio	1881-09-19 00:00:00	Elberon, New Jersey	49.9	596.8	18202.0
James K. Polk	1795-11-02 00:00:00	Mecklenburg Co., N.C.	1849-06-15 00:00:00	Nashville, Tennessee	53.7	642.1	19583.0
Abraham Lincoln	1809-02-12 00:00:00	LaRue Co., Kentucky	1865-04-15 00:00:00	Washington, D.C.	56.2	672.7	20516.0
Chester Arthur	1829-10-05 00:00:00	Fairfield, Vermont	1886-11-18 00:00:00	New York, New York	57.2	684.0	20863.0
Warren G. Harding	1865-11-02 00:00:00	Morrow County, Ohio	1923-08-02 00:00:00	San Francisco, Cal.	57.8	691.5	21091.0
William McKinley	1843-01-29 00:00:00	Niles, Ohio	1901-09-14 00:00:00	Buffalo, New York	58.7	702.0	21412.0
Theodore Roosevelt	1858-10-27 00:00:00	New York, New York	1919-01-06 00:00:00	Oyster Bay, New York	60.2	720.8	21985.0
Calvin Coolidge	1872-07-04 00:00:00	Plymouth, Vermont	1933-01-05 00:00:00	Northampton, Mass.	60.5	724.6	22099.0
Franklin Roosevelt	1882-01-30 00:00:00	Hyde Park, New York	1945-04-12 00:00:00	Warm Springs, Ga.	63.2	756.8	23082.0

Lifespan Analysis

MEAN	WEIGHTED MEAN	MEDIAN	MODE	MAX	MIN	STANDARD DEVIATION
26097.179487	26097.179487	25673.000000	16978.000000	34504.000000	16978.000000	4596.072413

Lifespan Analysis Graph



On average, a president lives 71 and a half years which is below the current life expectancy in the U.S. of 78 years and 7 months. However, this data does not adjust for the average life expectancy during the time that a particular president has lived. There is a lot of variance in how long each president has lived. The longest-lived president was Gorge Bush 34504 days. The shortest-lived president was John F. Kennedy 16978 days. The difference between the longest and the shorted-lived president is 17526 days which is approximately 48 years. No two presidents have lived the same number of days.