

Inauguration Data

1. What is a U.S. Presidential Inauguration?
2. What is the mean of the US Presidents' ages at the time of their inauguration?
3. What is the median age of US Presidents' ages at the time of their inauguration?
4. What is the mode of the US Presidents' ages at the time of their inauguration?
5. What is the range of the US Presidents' ages at the time of their inauguration?
6. Are there any outliers in the data that might affect the measures of central tendency?
7. What is the Mean Absolute Deviation of the US Presidents' ages at the time of their inauguration? (Use the mean rounded to the nearest whole number.) What does the Mean Absolute Deviation mean?
8. Create a dot plot displaying the ages of the US Presidents at the time of their inauguration.
9. What is a correct description of the distribution on the dot plot?
10. What is the age of the youngest US Presidents at the time of his/her inauguration?
11. What is the age of the oldest US Presidents at the time of his/her inauguration?
12. What is the lower quartile (1st quartile) age of the US Presidents at the time of their inauguration?
13. What is the upper quartile (3rd quartile) age of the US President at the time of their inauguration?
14. The interquartile is the term used to describe the middle 50%. This data is between the lower and upper quartile. What is the interquartile range of US Presidents at their inauguration?
15. Create a box-and-whisker plot of the US Presidential ages at the time of their inauguration.
16. What is the correct description of the data on the box-and-whisker plot?
17. Create a frequency table (intervals, tally, and frequency) for the ages of the US Presidents at the time of their inauguration. Use the following intervals: 40-44, 45-49, 50-54, 55-59, 60-64, 65-69.
18. Construct a histogram of the US Presidents' ages at the time of their inauguration. Be sure there is no space between the bars.
19. What is the correct description of the data on the histogram?
20. The box-and-whisker plot below show the number of questions students in Class A and Class B could answer about US Presidential inaugurations. Compare the two box-and-whisker plots shown. What conclusions can you make about the data?

