Your complimentary
use period has ended.
Thank you for using


1. If x is a variable follows the normal distribution then approximately $68 \%$ of the x values fall within plus and minus one standard deviation of the mean.
2. If x is a variable follows the normal distribution then approximately $95 \%$ of the x values fall within plus and minus two standard deviation of the mean.
3. If x is a variable follows the normal distribution then approximately $100 \%$ of the x values fall within plus and minus three standard deviation of the mean.

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Compute the mean and the median and describe the distribution.
Answer: mean=16 median=15.5 the distribu on is positively skewed
(b) We have the following data:

17
18
19
20
Compute the mean and the median and describe the distribution.
Answer: mean=15 median=15.5 the distribu on is negatively skewed
(c) We have the following data:

17
18
19
20
Compute the mean and the median and describe the distribution.
Answer: mean=15.5
median=15.5
the distribu on is normal

(a) The mean > median: the distribution is right-Skewed = positively skewed.
(b) The mean < median: the distribution is left-Skewed = negatively skewed.
(c) The mean = median: the distribution is symmetric = normal.

