

Pre-Calculus Multiple Choice Questions - Chapter S2

1 Which of the following is NOT part of a univariate EDA?

- a Shape
- b Center
- c Dispersion
- d Distribution

	S2.1
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2 Which of the following is NOT an acceptable shape description?

- a Normally-distributed
- b Uniformly-distributed
- c Skewed
- d Bimodal

	S2.1
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3 Which of the following is NOT an acceptable measure of dispersion for a univariate EDA?

- a Range
- b IQR
- c Standard Deviation
- d All are acceptable measures

	S2.1
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1 Consider a data set of positive values, at least two of which are not equal. Which of the following sample statistics will be changed when each value in the data set is multiplied by a constant whose absolute value is greater than 1?

- I. The mean
- II. The median
- III. The standard deviation

- a I only
- b II only
- c III only
- d I and II only
- e I, II, and III

	S2.6
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2 Determine what technique should be used to measure the center of the data below
24, 27, 28, 27, 30, 20, 30, 24, 27, 21, 20, 24, 23, 27, 26, 29, 20, 22, 30, 30, 28

- a Mean
- b Median
- c Mode
- d Q3

	S2.6
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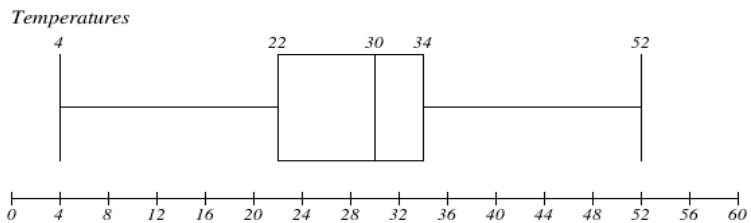
3 Determine what technique should be used to measure the dispersion of the data below
24, 27, 28, 27, 30, 20, 30, 24, 27, 21, 20, 24, 23, 27, 26, 29, 20, 22, 30, 30, 28

- a Range
- b Variance
- c IQR
- d Standard Deviation

	S2.6
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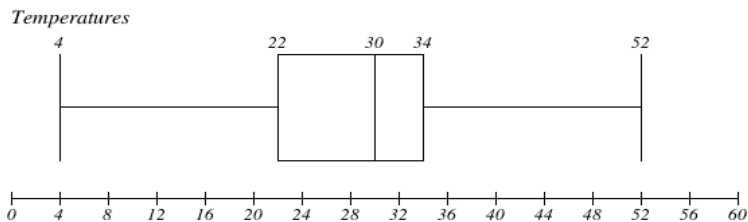
1 Determine the median of the data represented in the boxplot below



- a 22 b 30
- c 34 d 12

	S2.8
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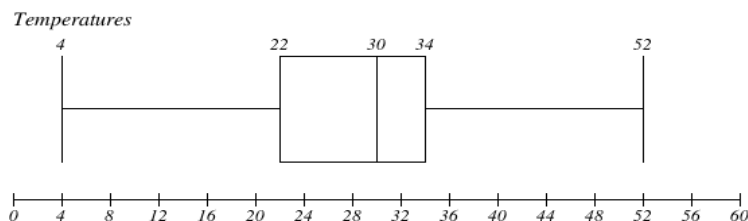
2 Determine the IQR of the data represented in the boxplot below



- a 22 b 30
- c 34 d 12

	S2.8
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3 Determine the shape of the data represented in the boxplot below



- a Left-Skewed b Right-Skewed
- c Normally Distributed d Uniformly Distributed

	S2.8
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