

Homework Solutions

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Exercise 14

- (a) False. There is no reason to think this would be true. It is true that the IQR covers 50% of the data, but that is not the same as 50% of the range.
- (b) False. With extremely skewed distributions, the mean can be much larger than Q_3 or much smaller than Q_1 .
- (c) True. As the 50th percentile, the median must be between the 25th and 75th percentiles, inclusive.
- (d) False. They are calculated in completely different ways.