AP Statistics

2019-02-04 2.1 Review Assignment

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Question 1

  See "2019-02-04 2.1 Review Assignment - Question 1.png"

  Skewed left

Question 2

  Percentile (44/78) = 56.41%

  $z = (62 - 56.85)/1.40 = 6.679$

Question 3

  The median, 59.00. The median best represents a slanted distribution such as this one.

Question 4

  Median = 3.8

  IQR = 4.67 - 3.33 = 1.33

  See "2019-02-04 2.1 Review Assignment - Question 4.png"

Question 5

  Mean = 4.23 min • 60 sec/min + 5 sec = 258.8 sec

  Stddev = 1.38 min • 60 sec/min = 82.8 sec

Question 6

  The mean of z-scores is 0 and of standard deviations is 1.