

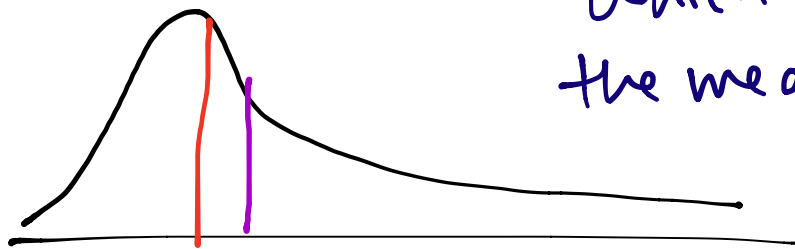
What is the difference between \bar{x} and μ ?

Between s_x and σ ?

• "Mu"
 μ

Any new questions?

Which line is
the mean?
median?



Median Mean

curve pictured in Exercise 27? (That is, where would the curve balance?) What is the median? (That is, where is the point with area 0.5 on either side?)

30. A uniform distribution What is the mean μ of the density curve pictured in Exercise 28? What is the median?

31. Mean and median The figure below displays two density curves, each with three points marked. At which of these points on each curve do the mean and the median fall?

(a) (b)

32. Mean and median The figure below displays two density curves, each with three points marked. At which of these points on each curve do the mean and the median fall?

(a) The mean is at the red line and the median is at the yellow line.
(b) The mean is at the yellow line and the median is at the red line.
(c) The mean is at the red line and the median is at the yellow line.
(d) The mean is at the yellow line and the median is at the red line.
(e) The mean is at the red line and the median is at the yellow line.

35. Scores on the bell-shaped distribution with standard deviation 6 were -0.7 .
(a) 4.2
(b) -4.2

36. George has bowled in a league for 150 and the

31 (a) mean is C.
Median is B

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$$\bar{X} = 25^{\circ}\text{C}$$
$$S_x = 2^{\circ}\text{C}$$

$$F = \frac{9}{5}C + 32^{\circ}$$

$$\bar{X}_F = \frac{9}{5} \cdot 25 + 32 = 77^{\circ}\text{F}$$

$$S_x \text{ in } F^{\circ} = \frac{9}{5} \cdot 2 = \underline{3.6^{\circ}\text{F}}$$

$$\frac{MC}{10} + \frac{FR}{16}$$

$$\frac{MC \cdot 1.6 + FR}{32} = 100$$

The center of F temp's
higher than male temp