rating, x_i
6
4
6
8
7
7
6
3
3
8
10
4
8
7
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7
5
9
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2
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9
9
5
9
7
8

3
10
8
9
6

Mean value:

$X = \frac{\sum_{i=1}^{N} x_i}{N} = 6.34$

Standard deviation:

$$\sigma(r) = \sqrt{\frac{1}{N-1}\sum_{i=1}^{N}(x_i - r)^2}.$$

r = X – mean value.

σ = 2.16

95% confidence interval estimate is 1.96σ = 2.16*1.96 = 4.23

Answer: 4.23