At $\alpha = 0.1$ we got -1.28 standard deviation.
if we compare $-1.28 < 2.58$ .So Null Hypothesis is accepted

Conclusion → 60% or less owns a car in City ABC.

P_value ⇒ 0.99506 greater than $\alpha = 0.1$, H_0 accepted

Question-4 → What is the value of the 99% percentile?

2, 2, 3, 4, 5, 5, 5, 6, 7, 8, 8, 8, 8, 8, 9, 9, 10, 11, 11, 12

Answer →

Total = 20 data points.

$$\text{Formula} = \frac{\text{Percentile}}{100} \times (n)$$

$$= \frac{99}{100} \times 20$$

$$= 0.99 \times 20$$

$$= 19.8^{th}$$

average of 19^{th} and 20^{th} Rank

$$= \frac{11+12}{2}$$

$$= 11.5$$