

Q. 4] ~~What~~ What is the value of 99 percentile?

Data: { 2, 2, 3, 4, 5, 5, 5, 6, 7, 8, 8, 8, 8, 8, 9, 9, 10, 11, 11, 12 }

$$\text{Value at 99 percentile} = \frac{\text{percentile}}{100} \times (n+1)$$

$$= \frac{99}{100} \times (20+1)$$

$$= \frac{99 \times 21}{100}$$

$$= 20.8$$

Therefore Value at 99 percentile = 12