

Day 2 Stats

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.

Ans:-

$$\text{Value} = \frac{\text{Percentile}}{100} * n.$$

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

$$= 19.8 \text{ (Index).}$$

The value of the 99 percentile is 12.

According to left and right skewed data
the relationship between mean, median & mode
is
 $\text{Mean} > \text{Median} > \text{Mode}$