Quartiles For Small Samples

There is no generally accepted method for identifying quartiles in small samples. We will use the following method.

Ex1 6 items

$$\frac{5, 8, 9, 9, 9, 10, 12}{1, 10, 12}$$

Lover Quartile Q₁ = 8 Median Q₂ = 9 Upper Quartile Q₃ = 10

Ex2 Titem: 4, 6, 8, t0, 10, 12, 15 7 + 7 $Q_1 = Q_2 = Q_3$ La Q_1 = 6 Median Q_2 = 10 $UQ = Q_3 = 12$ IQR $= Q_3 - Q_1$ = 12 - 6= 6

Ex 3 8 items

$$S_{1}, 7, 10, 12, 14, 15, 19$$

$$\frac{1}{2}, \frac{1}{2}, \frac{1}{2$$

Ex4 9 items