Statistics Ex 7.5 Q1

Answer :

(i) 3, 5, 7, 4, 5, 3, 5, 6, 8, 9, 5, 3, 5, 3, 6, 9, 7, 4

The frequency table for the given data

Value x	3	4	5	6	7	8	9
Frequency f	4	2	5	2	2	1	2

We observe that the value 5 has the maximum frequency.

Hence, the mode of data is 5.

(ii) 3, 3, 7, 4, 5, 3, 5, 6, 8, 9, 5, 3, 5, 3, 6, 9, 7, 4

The frequency table for the given data

Value x	3	4	5	6	7	8	9
Frequency f	5	2	4	2	2	1	2

We observe that the value 3 has the maximum frequency.

Hence, the mode of data is 3.

(iii) 15, 8, 26, 25, 24, 15, 18, 20, 24, 15, 19, 15

The frequency table for the given data

Value x	8	15	18	19	20	24	25	26
Frequency f	1	4	1	1	1	2	1	1

We observe that the value 15 has the maximum frequency.

Hence, the mode of data is 15.

Statistics Ex 7.5 Q2

Answer :

Shirt Size	37	38	39	40	41	42	43	44
Number of persons	15	25	39	41	36	17	15	12

Here, shirt size 40 has the maximum number of persons.

Hence, the mode shirt size is 40.

********** END *********