EduSahara™ Assignment

Name : Frequency Distribution Table Construction

Chapter : Statistics

Grade : ICSE Grade VII

1. Identify the frequency distribution table for the given ages of 13 students in years

13 17 18 25 14 21 20 10 24 12 10 13 17

(i)

Age (in years)	11	13	14	15	16	17	18	20	21	23	25
No. of Students	2	1	1	1	1	1	1	2	1	1	1

(ii)

Age (in years)	10	12	13	17	18	20	21	24	25
No. of Students	2	1	2	2	1	2	1	1	1

(iii)

Age (in years)	11	13	14	15	17	21	22	23	24	25
No. of Students	1	1	2	2	1	1	1	2	1	1

(iv)

Age (in years)	10	12	13	14	17	18	20	21	24	25
No. of Students	2	1	2	1	2	1	1	1	1	1

2. Identify the frequency distribution table for the given ages of 10 students in years

14 13 14 17 19 16 16 22 13 18

(i)

Age (in years)	13	14	16	17	18	19	22
No. of Students	2	1	2	1	1	2	1

(ii)

Age (in years)	13	14	16	17	18	22
No. of Students	3	2	2	1	1	1

(iii)

Age (in years)	11	12	13	15	18	19
No. of Students	2	1	1	4	1	1

(iv)

Age (in years)	11	12	13	14	15	16	19	25
No. of Students	1	1	1	2	1	2	1	1

(v)

Age (in years)	13	14	16	17	18	19	22
No. of Students	2	2	2	1	1	1	1

3. The number of children in 22 families are given below. Identify the frequency distribution table for the given data.

4 3 0 5 3 2 1 5 0 4 5 1 4 4 3 3 0 1 2 4 3 5

(i)

No. of children	0	1	2	3	4	5
No. of families	4	3	2	4	6	3

(ii)

No. of children	0	1	2	3	4	5
No. of families	3	3	1	6	5	4

(iii)

No. of children	0	1	2	3	4	5
No. of families	3	4	7	5	2	1

(iv)

No. of children	0	1	2	3	4	5
No. of families	3	4	2	4	5	4

(v)

No. of children	0	1	2	3	4	5
No. of families	3	3	2	5	5	4

4. The following outcomes were noted when a dice was thrown 19 times. Identify the frequency distribution table for the given data.

3 3 2 3 2 4 1 6 6 1 5 1 3 6 5 6 4 1 3

(i)

Outcome	1	2	3	4	5	6
No. of outcomes	4	2	5	1	2	5

(ii)

Outcome	1	2	3	4	5	6
No. of outcomes	5	2	4	2	2	4

(iii)

Outcome	1	2	3	4	5	6
No. of outcomes	4	2	5	2	2	4

(iv)

Outcome	1	2	4	5	6
No. of outcomes	6	2	1	2	8

(v)

Outcome	1	2	3	4	5	6
No. of outcomes	4	3	2	5	3	2

5. The sale of shirts of various sizes at a shop on a particular day is given below. Identify the frequency distribution table for the given data.

20 34 21 29 38 29 30 33 28 27 35 33 39 40 20 27 20 20

(i)

Size	20	21	27	28	29	30	33	34	35	38	39	40
No. of Shirts	4	1	1	1	2	1	2	1	1	1	2	1

(ii)

Size	20	21	27	28	29	30	33	34	35	38	39	40
No. of Shirts	4	1	2	1	2	1	2	1	1	1	1	1

(iii)

Size	20	21	22	23	27	28	29	33	36	37	38	40
No. of Shirts	2	1	1	1	1	1	1	3	2	1	3	1

(iv)

Size	20	21	27	28	29	33	34	35	38	39	40
No. of Shirts	5	1	2	1	2	2	1	1	1	1	1

(v)

Size	22	24	25	29	30	31	32	33	34	36	37	38
No. of Shirts	1	2	2	4	2	1	1	1	1	1	1	1

6. Arrange the following data 40 29 22 40 30 17 21 39 21 11 in ascending order

(i) 28 18 10 19 38 18 10 12 23 13 (ii) 11 17 21 21 22 29 30 39 40 40

(iii) 25 40 37 31 32 25 31 30 20 36 (iv) 10 27 11 20 30 21 15 31 40 33

(v) 16 23 30 15 22 10 20 40 18 36

7. Arrange the following data 27 19 18 15 25 25 34 12 31 21 in descending order

(i) 34 31 27 25 25 21 19 18 15 12 (ii) 20 33 10 24 32 12 11 13 17 32

(iii) 24 38 33 27 29 29 16 17 38 27 (iv) 16 22 17 26 27 19 31 31 11 39

(v) 17 12 38 15 15 13 35 16 12 37

8. Identify the frequency distribution table for the given heights of 15 students in cm

170 171 168 150 175 177 165 166 162 154 170 159 159 155 180

(i)

Height (in cm)	151	154	157	160	162	167	168	169	170	177
No. of Students	1	1	1	2	1	2	1	2	1	3

(ii)

Height (in cm)	150	154	155	159	162	165	166	168	170	171	175	177	180
No. of Students	1	1	1	2	1	1	1	1	2	1	1	1	1

(iii)

Height (in cm)	150	151	152	155	158	159	165	170	171	173	176	179	180
No. of Students	1	1	1	1	2	2	1	1	1	1	1	1	1

(iv)

Height (in cm)	150	154	155	159	162	165	166	168	170	171	175	177	180
No. of Students	1	1	1	1	1	1	2	1	2	1	1	1	1

(v)

Height (in cm)	150	154	155	159	162	166	168	170	171	175	177	180
No. of Students	1	1	1	2	2	1	1	2	1	1	1	1

9. Identify the frequency distribution table for the given ages of 11 students in years

11 24 13 11 23 18 14 25 18 15 20

(i)

Age (in years)	11	13	14	15	18	20	23	24	25
No. of Students	2	1	1	1	2	1	1	1	1

(ii)

Age (in years)	11	13	14	18	20	23	24	25
No. of Students	2	1	1	2	1	2	1	1

(iii)

Age (in years)	10	11	12	14	15	16	17	18	22	23
No. of Students	1	1	1	1	1	1	1	1	2	1

(iv)

Age (in years)	11	13	15	18	20	23	24	25
No. of Students	2	1	1	3	1	1	1	1

(v)

Age (in years)	12	13	14	15	16	18	21	22
No. of Students	2	2	1	1	1	1	2	1

10. The number of children in 18 families are given below. Identify the frequency distribution table for the given data.

0 3 0 4 3 3 2 2 4 5 1 1 5 2 0 3 3 2

(i)

No. of children	0	1	2	3	4	5
No. of families	4	3	2	2	3	4

(ii)

No. of children	0	1	2	3	4	5
No. of families	3	2	3	6	2	2

(iii)

No. of children	0	1	2	3	5
No. of families	1	2	4	4	7

(iv)

No. of children	0	1	2	3	4	5
No. of families	3	1	4	6	2	2

(v)

No. of children	0	1	2	3	4	5
No. of families	3	2	4	5	2	2

11. The following outcomes were noted when a dice was thrown 18 times. Identify the frequency distribution table for the given data.

1 2 4 4 2 3 1 5 4 3 5 2 5 6 5 1 4 6

(i)

Outcome	1	2	3	4	5	6
No. of outcomes	2	2	3	5	2	4

(ii)

Outcome	1	2	3	4	5	6
No. of outcomes	3	3	2	5	3	2

(iii)

Outcome	1	2	3	4	5	6
No. of outcomes	3	3	2	4	4	2

(iv)

Outcome	1	2	3	5
No. of outcomes	6	7	2	3

12. The sale of shirts of various sizes at a shop on a particular day is given below. Identify the frequency distribution table for the given data.

32 35 39 23 25 32 31 21 22 38 29 38 33 36 26 30 25 20 22 21 24

(i)

Size	20	21	22	23	24	25	26	29	30	31	32	33	35	36	38	39
No. of Shirts	1	2	2	1	1	2	1	1	1	1	2	1	1	1	2	1

(ii)

Size	20	21	22	23	24	25	26	29	31	32	33	35	36	38	39
No. of Shirts	1	2	2	1	1	2	1	1	1	2	1	2	1	2	1

(iii)

Size	21	22	23	24	25	26	29	30	31	32	33	35	36	38	39
No. of Shirts	2	2	1	1	2	1	1	1	1	2	1	1	1	2	2

(iv)

Size	20	21	22	23	24	26	28	29	30	31	34	35	37	38	39	40
No. of Shirts	1	1	1	3	1	1	2	2	1	1	1	1	1	1	2	1

(v)

Size	22	23	24	26	28	30	31	32	34	35	36	39	40
No. of Shirts	3	1	1	2	1	1	2	3	1	1	1	3	1

Assignment Key

1) (iv)	2) (v)	3) (v)	4) (iii)	5) (ii)	6) (ii)
7) (i)	8) (ii)	9) (i)	10) (v)	11) (iii)	12) (i)