EduSahara™ Assignment

Name : Constructing Frequency Distribution Tables

Chapter : Statistics

Grade : SSC Grade IX

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

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

(i)

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

(ii)

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

(iii)

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

(iv)

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

(v)

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

2. The following outcomes were noted when a dice was thrown 21 times. Identify the frequency distribution table for the given data.

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

(i)

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

(ii)

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

(iii)

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

(iv)

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

(v)

Outcome	1	2	3	4	5	6
No. of outcomes	1	3	4	8	3	2

3. 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.

35 29 35 39 22 31 34 40 34 34 25 33 37 39 32 38 21 30 34

(i)

Size	21	22	25	29	30	31	32	33	34	35	37	38	39	40
No. of Shirts	1	1	1	1	1	1	1	1	4	2	1	1	2	1

(ii)

Size	21	22	25	29	30	31	32	34	35	37	38	39	40
No. of Shirts	1	1	1	1	1	1	1	4	2	1	1	3	1

(iii)

Size	21	22	23	25	26	27	30	32	33	36	37	38	39	40
No. of Shirts	2	1	1	1	1	1	1	1	1	1	1	3	3	1

(iv)

Size	20	22	23	24	25	27	30	31	32	33	35	36	37	38	40
No. of Shirts	1	1	2	1	1	1	1	1	1	1	1	2	1	3	1

4. Identify the frequency distribution table for the given heights of 12 students in cm

179 160 179 175 150 179 169 152 174 164 173 152

(i)

Height (in cm)	150	152	160	164	169	173	174	175	179
No. of Students	1	1	1	1	2	1	1	1	3

(ii)

Height (in cm)	150	152	153	155	157	160	163	165	174	179	180
No. of Students	1	1	1	1	1	1	1	1	1	1	2

(iii)

Height (in cm)	150	154	162	164	165	166	167	172	175	180
No. of Students	1	1	1	2	1	1	1	1	2	1

(iv)

Height (in cm)	152	160	164	169	173	174	175	179
No. of Students	2	1	2	1	1	1	1	3

(v)

Height (in cm)	150	152	160	164	169	173	174	175	179
No. of Students	1	2	1	1	1	1	1	1	3

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

15 25 19 11 24 20 17 24 11 18 15

(i)

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

(ii)

Age (in years)	11	15	17	18	19	20	24	25
No. of Students	2	2	1	1	1	1	2	1

(iii)

Age (in years)	11	15	17	18	20	24	25
No. of Students	2	3	1	1	1	2	1

(iv)

Age (in years)	10	11	12	13	15	18	19	21	22	24
No. of Students	1	1	1	1	1	2	1	1	1	1

(v)

Age (in years)	11	15	17	18	19	20	24	25
No. of Students	2	2	1	1	1	2	1	1

6. The number of children in 19 families are given below. Identify the frequency distribution table for the given data.

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

(i)

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

(ii)

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

(iii)

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

(iv)

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

(v)

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

7. The following outcomes were noted when a dice was thrown 22 times. Identify the frequency distribution table for the given data.

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

(i)

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

(ii)

Outcome	1	2	3	4	5	6
No. of outcomes	1	5	2	7	2	5

(iii)

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

(iv)

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

(v)

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

8. 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.

27 32 31 32 35 23 38 27 26 35 37 31 32 29 22 28 27 36 21 31

(i)

Size	21	22	23	26	27	29	31	32	35	36	37	38
No. of Shirts	1	1	1	1	3	1	4	3	2	1	1	1

(ii)

Size	21	22	23	26	27	28	29	31	32	35	36	37	38
No. of Shirts	1	1	1	1	3	1	1	3	3	2	1	1	1

(iii)

Size	20	21	22	26	28	32	35	36	38	40
No. of Shirts	2	2	3	2	1	1	2	2	4	1

(iv)

Size	21	22	23	24	26	27	28	29	30	32	38	40
No. of Shirts	1	4	1	1	1	1	1	3	1	2	2	2

(v)

Size	21	22	23	26	27	28	29	31	32	35	36	37	38
No. of Shirts	2	1	1	1	2	1	1	3	3	2	1	1	1

9. Identify the frequency distribution table for the given heights of 10 students in cm

156 176 168 153 167 177 154 162 150 175

(i)

Height (in cm)	153	154	155	157	163	167	171	172	174	177
No. of Students	1	1	1	1	1	1	1	1	1	1

(ii)

Height (in cm)	150	153	154	156	162	167	168	175	176	177
No. of Students	1	1	1	1	1	1	1	1	1	1

(iii)

Height (in cm)	150	153	154	156	162	167	168	175	176
No. of Students	1	1	1	1	2	1	1	1	1

(iv)

Height (in cm)	154	155	157	163	164	168	170	173
No. of Students	1	1	1	2	1	2	1	1

(v)

Height (in cm)	150	153	156	162	167	168	175	176	177
No. of Students	1	1	1	1	1	1	1	1	2

10. Identify the frequency distribution table for the given ages of 14 students in years

11 15 11 20 19 20 11 21 24 17 18 16 13 23

(i)

Age (in years)	11	13	15	16	17	18	19	20	21	23	24
No. of Students	2	1	1	1	1	2	1	2	1	1	1

(ii)

Age (in years)	11	12	14	15	16	18	19	20	21	22	23
No. of Students	2	1	1	1	1	1	1	1	2	1	2

(iii)

Age (in years)	10	13	14	15	16	18	19	20	23	24	25
No. of Students	3	1	1	1	1	2	1	1	1	1	1

(iv)

Age (in years)	11	13	16	17	18	19	20	21	23	24
No. of Students	3	1	1	1	1	1	2	1	2	1

(v)

Age (in years)	11	13	15	16	17	18	19	20	21	23	24
No. of Students	3	1	1	1	1	1	1	2	1	1	1

Assignment Key

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