EduSahara™ Assignment

Name : Constructing Frequency Distribution Tables

Chapter : Statistics

Grade : SSC Grade IX

1. The number of children in 20 families are given below. Identify the frequency distribution table for the given data.

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

(i)

No. of children	0	1	3	4	5
No. of families	3	2	6	7	2

(ii)

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

(iii)

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

(iv)

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

(v)

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

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

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

(i)

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

(ii)

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

(iii)

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

(iv)

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

(v)

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

36 36 22 32 22 38 29 38 38 30 38 32 35 25 25 29 40 22 32 29 20

(i)

Size	20	21	22	23	25	26	27	28	30	31	32	33	34	36	39
No. of Shirts	1	1	1	1	1	2	1	1	1	4	2	1	1	2	1

(ii)

Size	21	22	23	25	27	29	30	31	32	33	34	37	38	39
No. of Shirts	1	1	1	1	1	4	1	2	2	1	1	2	2	1

(iii)

Size	20	22	25	29	30	32	35	36	38	40
No. of Shirts	1	3	2	3	1	3	1	2	4	1

4. Identify the frequency distribution table for the given heights of 13 students in cm

158 180 172 150 163 163 165 154 177 160 167 179 157

(i)

Height (in cm)	150	154	157	158	160	163	165	172	177	179	180
No. of Students	1	1	1	1	2	2	1	1	1	1	1

(ii)

Height (in cm)	150	151	153	154	160	162	164	169	170	172	176
No. of Students	1	1	1	1	1	1	2	2	1	1	1

(iii)

Height (in cm)	150	157	158	160	163	165	167	172	177	179	180
No. of Students	1	1	1	1	2	1	1	1	1	1	2

(iv)

Height (in cm)	152	153	155	157	162	166	168	171	176	179	180
No. of Students	1	1	1	1	1	1	1	1	2	2	1

(v)

Height (in cm)	150	154	157	158	160	163	165	167	172	177	179	180
No. of Students	1	1	1	1	1	2	1	1	1	1	1	1

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

13 17 15 18 13 18 14 25 13 17 18 17 25 23

(i)

Age (in years)	13	14	15	17	18	23	25
No. of Students	4	1	1	3	2	1	2

(ii)

Age (in years)	10	11	16	17	18	20	22	24
No. of Students	1	3	1	1	3	2	2	1

(iii)

Age (in years)	12	13	14	15	17	19	20	21	24
No. of Students	1	3	2	1	1	1	1	1	3

(iv)

Age (in years)	13	14	15	17	18	23	25
No. of Students	3	1	1	3	3	1	2

(v)

Age (in years)	13	14	15	17	18	23	25
No. of Students	3	1	1	3	4	1	1

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

5 0 5 2 2 5 1 1 0 0 0 5 1 5 5 0 1 5 0

(i)

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

(ii)

No. of children	0	1	2	5
No. of families	6	4	2	7

(iii)

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

(iv)

No. of children	0	1	2	5
No. of families	6	3	2	8

(v)

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

7. The following outcomes were noted when a dice was thrown 20 times. Identify the frequency distribution table for the given data.

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

(i)

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

(ii)

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

(iii)

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

(iv)

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

(v)

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

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.

34 24 37 30 34 31 37 28 25 23 27 37 35 30 31 26 27 33 36 33

(i)

Size	23	24	25	26	27	28	30	31	33	34	36	37
No. of Shirts	1	1	1	1	2	1	2	2	2	3	1	3

(ii)

Size	23	24	25	26	27	28	30	31	33	34	35	36	37
No. of Shirts	1	1	1	1	2	1	2	2	2	2	1	1	3

(iii)

Size	21	22	23	25	26	27	28	29	30	31	32	33	35	36	39	40
No. of Shirts	1	1	2	1	2	1	1	1	1	2	1	1	2	1	1	1

(iv)

Size	20	21	22	23	24	25	26	28	31	32	36	38	40
No. of Shirts	2	1	1	1	1	4	2	2	1	1	2	1	1

(v)

Size	23	25	26	27	28	30	31	33	34	35	36	37
No. of Shirts	1	1	1	2	1	3	2	2	2	1	1	3

9. Identify the frequency distribution table for the given heights of 13 students in cm

179 159 179 153 154 177 171 156 168 179 153 176 150

(i)

Height (in cm)	150	153	154	156	159	168	171	177	179
No. of Students	1	3	1	1	1	1	1	1	3

(ii)

Height (in cm)	150	153	154	156	159	171	176	177	179
No. of Students	1	2	2	1	1	1	1	1	3

(iii)

Height (in cm)	150	153	154	156	159	168	171	176	177	179
No. of Students	1	2	1	1	1	1	1	1	1	3

(iv)

Height (in cm)	153	156	157	159	161	166	168	170	173	176
No. of Students	2	1	2	1	1	1	1	1	1	2

(v)

Height (in cm)	150	154	155	158	159	160	166	169	174	175	176	180
No. of Students	1	1	1	1	1	1	1	1	1	1	1	2

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

11 16 24 22 23 18 23 13 20 17 21 12 13

(i)

Age (in years)	11	12	13	16	17	18	20	21	22	23	24
No. of Students	1	1	2	1	1	1	1	1	1	2	1

(ii)

Age (in years)	11	12	13	16	17	18	20	21	22	23	24
No. of Students	1	1	3	1	1	1	1	1	1	1	1

(iii)

Age (in years)	10	12	14	16	18	19	20	22	23
No. of Students	1	1	1	2	1	1	1	1	4

(iv)

Age (in years)	10	11	12	13	14	16	17	18	20	22	25
No. of Students	1	1	1	1	1	1	1	1	2	2	1

(v)

Age (in years)	11	12	13	16	17	20	21	22	23	24
No. of Students	1	1	2	1	1	1	1	1	2	2

Assignment Key

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