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.

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

(i)

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

(ii)

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

(iii)

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

(iv)

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

(v)

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

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

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

(i)

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

(ii)

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

(iii)

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

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.

26 39 22 28 37 29 35 38 37 38 34 27 32 22 27 27 31 40 40 24

(i)

Size	22	23	24	27	30	31	33	36	37	38	39	40
No. of Shirts	1	1	3	1	1	1	2	2	3	3	1	1

(ii)

Size	22	24	26	27	29	31	32	34	35	37	38	39	40
No. of Shirts	2	1	1	3	1	1	1	1	1	3	2	1	2

(iii)

Size	22	24	26	27	28	29	31	32	34	35	37	38	40
No. of Shirts	2	1	1	3	1	1	1	2	1	1	2	2	2

(iv)

Size	22	24	26	27	28	29	31	32	34	35	37	38	39	40
No. of Shirts	2	1	1	3	1	1	1	1	1	1	2	2	1	2

(v)

Size	22	27	28	29	31	33	34	35	38	39	40
No. of Shirts	1	3	1	2	2	5	2	1	1	1	1

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

180 151 151 155 171 166 171 167 160 175 154 169

(i)

Height (in cm)	150	151	157	158	160	161	165	166	167	179
No. of Students	1	1	1	1	1	2	1	1	1	2

(ii)

Height (in cm)	150	153	154	159	160	166	168	170	172	178	179
No. of Students	1	1	1	1	1	1	1	1	2	1	1

(iii)

Height (in cm)	151	154	155	160	166	167	169	171	175	180
No. of Students	1	1	2	1	1	1	1	2	1	1

(iv)

Height (in cm)	151	154	155	160	166	167	169	171	175	180
No. of Students	2	1	1	1	1	1	1	2	1	1

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

13 22 18 16 20 25 14 16 24 18 11 22 22 25

(i)

Age (in years)	11	13	14	16	18	20	22	24	25
No. of Students	1	1	1	2	2	1	3	1	2

(ii)

Age (in years)	10	11	14	15	18	19	22	25
No. of Students	1	1	1	3	2	3	1	2

(iii)

Age (in years)	10	11	12	13	14	17	18	19	21	22	23
No. of Students	2	1	2	1	1	1	2	1	1	1	1

(iv)

Age (in years)	11	13	14	16	18	20	22	25
No. of Students	1	1	1	2	2	2	3	2

(v)

Age (in years)	11	13	14	16	18	20	22	24	25
No. of Students	1	1	1	3	2	1	2	1	2

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

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

(i)

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

(ii)

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

(iii)

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

(iv)

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

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

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

(i)

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

(ii)

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

(iii)

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

(iv)

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

(v)

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

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.

38 38 27 29 26 40 27 34 38 32 24 21 22 34 25 30 26 22 35 36 36 23

(i)

Size	22	23	24	25	26	27	29	30	32	34	35	36	38	40
No. of Shirts	3	1	1	1	2	2	1	1	1	2	1	2	3	1

(ii)

Size	21	22	23	24	25	26	27	29	30	32	34	35	36	38	40
No. of Shirts	1	2	1	1	1	2	2	1	1	1	2	1	2	3	1

(iii)

Size	20	21	24	25	27	29	32	33	36	37	38	39	40
No. of Shirts	1	1	1	1	1	2	3	1	3	1	2	2	3

(iv)

Size	20	21	22	23	26	28	29	30	31	33	35	36	38	39
No. of Shirts	2	1	2	2	2	3	1	1	1	1	3	1	1	1

(v)

Size	21	22	24	25	26	27	29	30	32	34	35	36	38	40
No. of Shirts	1	2	1	1	2	2	1	1	1	2	1	2	4	1

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

177 175 180 163 170 160 161 159 159 153 158 156

(i)

Height (in cm)	153	156	158	159	160	161	163	170	175	177	180
No. of Students	1	1	1	2	1	1	1	1	1	1	1

(ii)

Height (in cm)	151	153	154	156	159	168	170	177	180
No. of Students	1	1	2	3	1	1	1	1	1

(iii)

Height (in cm)	153	156	158	159	160	161	170	175	177	180
No. of Students	1	1	1	2	1	1	2	1	1	1

(iv)

Height (in cm)	152	153	154	156	157	166	167	170	172	175	179
No. of Students	2	1	1	1	1	1	1	1	1	1	1

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

11 21 20 16 10 18 17 22 21 18 19 13 21 17

(i)

Age (in years)	10	11	12	15	16	17	21	23	24
No. of Students	2	1	1	2	2	1	2	2	1

(ii)

Age (in years)	10	13	16	17	18	19	20	21	22
No. of Students	1	2	1	2	2	1	1	3	1

(iii)

Age (in years)	10	11	13	16	17	18	19	20	21
No. of Students	1	1	1	2	2	2	1	1	3

(iv)

Age (in years)	10	11	12	14	17	18	19	22	23	24	25
No. of Students	1	2	1	2	1	1	1	2	1	1	1

(v)

Age (in years)	10	11	13	16	17	18	19	20	21	22
No. of Students	1	1	1	1	2	2	1	1	3	1

Assignment Key

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