

EduSahara™ Learning Center Assignment

Grade : Class VII, ICSE

Chapter : Statistics

Name : Frequency Distribution Table Construction

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

1. 18 , 10 , 17 , 25 , 24 , 22 , 25 , 14 , 17 , 19 , 23 , 17 , 24

(i)

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

(ii)

Age (in years)	11	12	14	16	20	22	24	25
No. of Students	2	1	1	1	2	4	1	1

(iii)

Age (in years)	11	12	13	14	16	18	19	21	22	23	24	25
No. of Students	1	1	1	1	1	1	1	1	1	1	2	1

(iv)

Age (in years)	10	14	17	18	19	22	23	24	25
No. of Students	1	1	3	1	1	1	1	2	2

(v)

Age (in years)	10	17	18	19	22	23	24	25
No. of Students	1	3	2	1	1	1	2	2

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

2. 10 , 19 , 16 , 11 , 25 , 12 , 13 , 12 , 24 , 18

(i)

Age (in years)	10	13	17	19	21	24
No. of Students	3	1	2	2	1	1

(ii)

Age (in years)	10	11	12	13	16	18	19	24
No. of Students	1	1	3	1	1	1	1	1

(iii)

Age (in years)	10	11	12	13	16	18	19	24	25
No. of Students	1	1	2	1	1	1	1	1	1

(iv)

Age (in years)	10	11	12	13	16	18	19	24
No. of Students	1	1	2	1	1	1	1	2

(v)

Age (in years)	16	17	18	19	20	23
No. of Students	1	2	2	2	2	1

The number of children in 20 families are given below.

Identify the frequency distribution table for the given data.

3. 0, 0, 3, 4, 1, 3, 5, 1, 2, 4, 0, 0, 0, 0, 1
2, 3, 4, 1, 0

(i)

No. of children	0	1	2	3	4	5
No. of families	8	4	2	3	2	1

(ii)

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

(iii)

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

(iv)

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

(v)

No. of children	0	1	2	3	4	5
No. of families	8	3	2	3	3	1

The following outcomes were noted when a dice was thrown 22 times.

Identify the frequency distribution table for the given data.

4. 3, 3, 1, 3, 3, 1, 3, 6, 1, 4, 5, 6, 2, 3, 5
6, 4, 3, 1, 6, 3, 4

(i)

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

(ii)

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

(iii)

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

(iv)

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

The sale of shirts of various sizes at a shop on a particular day is given below.

5. Identify the frequency distribution table for the given data.

31 , 20 , 39 , 29 , 23 , 29 , 40 , 27 , 37 , 20 , 29 , 40 , 30 , 22 , 22
32 , 36 , 21

(i)

Size	20	21	22	23	27	29	30	31	32	36	39	40
No. of Shirts	2	1	2	1	1	4	1	1	1	1	1	2

(ii)

Size	20	21	23	24	26	27	31	32	35	36	37
No. of Shirts	2	3	1	1	3	2	1	1	1	2	1

(iii)

Size	20	21	22	28	29	30	31	32	33	34	35	37
No. of Shirts	1	2	2	1	1	2	1	2	2	1	2	1

(iv)

Size	20	21	22	23	27	29	30	31	32	36	37	39	40
No. of Shirts	2	1	2	1	1	3	1	1	1	1	1	1	2

(v)

Size	20	21	22	23	27	29	30	31	32	36	37	39	40
No. of Shirts	2	1	2	1	1	4	1	1	1	1	1	1	1

Arrange the following data

6. 38 , 23 , 29 , 23 , 29 , 23 , 40 , 12 , 28 , 12

in ascending order

(i) 12 , 12 , 23 , 23 , 23 , 28 , 29 , 29 , 38 , 40

(ii) 32 , 34 , 28 , 36 , 35 , 13 , 16 , 25 , 22 , 18

(iii) 39 , 29 , 22 , 28 , 22 , 39 , 33 , 36 , 27 , 40

(iv) 24 , 23 , 11 , 39 , 23 , 29 , 35 , 13 , 13 , 32

(v) 12 , 25 , 19 , 18 , 20 , 24 , 36 , 14 , 35 , 14

Arrange the following data

7. 26 , 26 , 17 , 14 , 19 , 25 , 30 , 31 , 37 , 12

in descending order

(i) 37 , 31 , 30 , 26 , 26 , 25 , 19 , 17 , 14 , 12

(ii) 20 , 22 , 29 , 20 , 32 , 29 , 12 , 28 , 30 , 33

(iii) 20 , 10 , 12 , 21 , 20 , 21 , 27 , 24 , 10 , 35

(iv) 19 , 14 , 40 , 14 , 28 , 22 , 21 , 21 , 25 , 37

(v) 29 , 38 , 15 , 18 , 39 , 40 , 37 , 32 , 24 , 10

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

8. 166 , 163 , 167 , 180 , 163 , 154 , 180 , 173 , 172 , 175
165 , 151 , 174 , 156 , 154

(i)

Height (in cm)	151	154	156	163	165	166	167	172	173	174	175	180
No. of Students	1	2	1	1	1	1	2	1	1	1	1	2

(ii)

Height (in cm)	152	157	161	162	163	164	167	171	173	174	176	178	180
No. of Students	1	2	2	1	1	1	1	1	1	1	1	1	1

(iii)

Height (in cm)	151	154	156	163	165	166	167	172	173	174	175	180
No. of Students	1	2	1	2	1	1	1	1	1	1	1	2

(iv)

Height (in cm)	151	154	163	165	166	167	172	173	174	175	180
No. of Students	1	2	2	1	1	1	2	1	1	1	2

(v)

Height (in cm)	150	151	152	154	156	157	158	160	162	163	164	170	178
No. of Students	1	1	1	1	1	1	1	1	2	1	2	1	1

Identify the frequency distribution table for the given ages of 12 students in years

9. 21 , 12 , 20 , 20 , 12 , 13 , 12 , 10 , 22 , 10 , 12 , 14

(i)

Age (in years)	11	12	13	15	16	17	22	24	25
No. of Students	2	1	1	1	1	2	1	2	1

(ii)

Age (in years)	10	12	13	14	20	21
No. of Students	2	4	1	1	2	2

(iii)

Age (in years)	10	15	16	17	19	20	22	24
No. of Students	1	1	2	1	1	1	4	1

(iv)

Age (in years)	10	12	13	14	20	21	22
No. of Students	2	4	1	1	2	1	1

(v)

Age (in years)	10	12	13	14	20	21	22
No. of Students	1	5	1	1	2	1	1

10. The number of children in 18 families are given below.

Identify the frequency distribution table for the given data.

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

(i)

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

(ii)

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

(iii)

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

The following outcomes were noted when a dice was thrown 21 times.

Identify the frequency distribution table for the given data.

11. 4 , 2 , 6 , 1 , 6 , 5 , 4 , 6 , 5 , 3 , 1 , 6 , 3 , 5 , 2
4 , 2 , 3 , 4 , 6 , 3

(i)

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

(ii)

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

(iii)

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

(iv)

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

(v)

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

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.

12. 37 , 36 , 37 , 40 , 39 , 23 , 23 , 32 , 25 , 23 , 33 , 37 , 22 , 31 , 20
37 , 20 , 38 , 22

(i)

Size	21	23	24	27	28	31	33	36	37	38	40
No. of Shirts	2	2	1	1	1	2	2	3	2	1	2

(ii)

Size	20	21	24	25	26	27	28	31	32	34	35	38
No. of Shirts	2	1	1	2	2	1	1	2	2	2	2	1

(iii)

Size	20	22	23	25	31	32	33	36	37	38	39	40
No. of Shirts	2	2	3	1	1	1	1	1	4	1	1	1

(iv)

Size	20	22	23	25	32	33	36	37	38	39	40
No. of Shirts	3	2	3	1	1	1	1	4	1	1	1

(v)

Size	20	22	23	25	31	32	33	36	37	38	39	40
No. of Shirts	3	1	3	1	1	1	1	1	4	1	1	1

Assignment Key

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