

Fill in the Blanks

Mean from a Grouped Frequency Table

Value	Frequency	Midpoint	Midpoint × Freq
10 ≤ x < 12	6	11	66
12 ≤ x < 14	9	13	117
14 ≤ x < 16	5	15	75
Totals	20		258
<i>Estimate of Mean</i>	258 ÷ 20 = 12.9		

Value	Frequency	Midpoint	Midpoint × Freq
20 ≤ x < 30	9	25	225
30 ≤ x < 40	7	35	245
40 ≤ x < 50	4	45	180
Totals	20		650
<i>Estimate of Mean</i>	650 ÷ 20 = 32.5		

Value	Frequency	Midpoint	Midpoint × Freq
20 ≤ x < 24	6	22	132
24 ≤ x < 28	10	26	260
28 ≤ x < 32	5	30	150
32 ≤ x < 36	4	34	136
Totals	25		678
<i>Estimate of Mean</i>	678 ÷ 25 = 27.12		

Value	Frequency	Midpoint	Midpoint × Freq
5 ≤ x < 10	7	7.5	52.5
10 ≤ x < 15	7	12.5	87.5
15 ≤ x < 20	8	17.5	140
20 ≤ x < 25	3	22.5	67.5
Totals	25		347.5
<i>Estimate of Mean</i>	347.5 ÷ 25 = 13.9		

Value	Frequency	Midpoint	Midpoint × Freq
100 ≤ x < 120	7	110	770
120 ≤ x < 140	12	130	1560
140 ≤ x < 160	9	150	1350
160 ≤ x < 180	2	170	340
Totals	30		4020
<i>Estimate of Mean</i>	4020 ÷ 30 = 134		

Value	Frequency	Midpoint	Midpoint × Freq
0 ≤ x < 2	3	1	3
2 ≤ x < 4	3	3	9
4 ≤ x < 6	8	5	40
6 ≤ x < 8	6	7	42
Totals	20		94
<i>Estimate of Mean</i>	94 ÷ 20 = 4.7		

Value	Frequency	Midpoint	Midpoint × Freq
0 ≤ x < 10	8	5	40
10 ≤ x < 20	16	15	240
20 ≤ x < 30	11	25	275
30 ≤ x < 40	5	35	175
Totals	40		730
<i>Estimate of Mean</i>	730 ÷ 40 = 18.25		

Value	Frequency	Midpoint	Midpoint × Freq
30 ≤ x < 40	4	35	140
40 ≤ x < 50	8	45	360
50 ≤ x < 60	26	55	1430
60 ≤ x < 70	12	65	780
Totals	50		2710
<i>Estimate of Mean</i>	2710 ÷ 50 = 54.2		

In each table, values are grouped into classes of equal width.