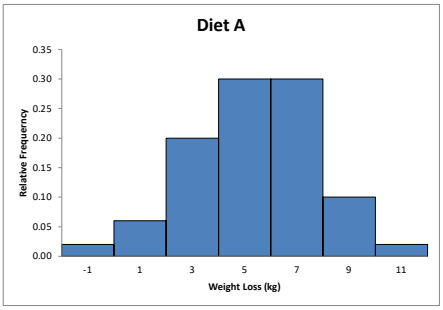
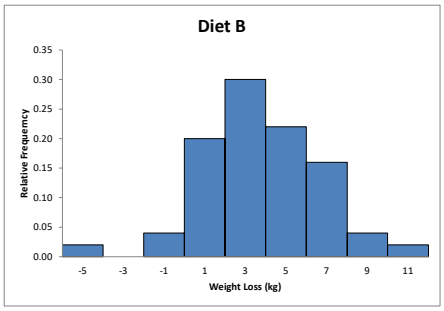
Diet	Wtloss
A	3.709
A	7.087
A	6.754
A	8.994
A	9.077
A	6.413
A	5.877
A	2.572
A	7.520
A	6.881
A	7.265
A	3.477
A	3.755
A	8.760
A	7.032
A	9.052
A	10.062
A	4.840
A	6.449
A	9.019
A	-1.715
A	4.718
A	4.007
A	7.241
A	2.128
A	6.968
A	4.853
A	0.055
A	2.680
A	3.746
A	7.033
A	5.033
A	5.569
A	6.712
A	3.663
A	2.741
A	6.256
A	5.349
A	7.300
A	5.445
A	4.970
A	3.613
A	7.568
A	5.861
A	4.157
A	0.203
A	4.441
A	5.875
A	5.715
A	0.280
B	-1.087
B	1.819
B	0.074
B	1.755
B	1.889
B	3.089
B	4.008
B	4.551
B	1.372
B	3.413
B	-4.148
B	2.823
B	2.865
B	4.369
B	6.337
B	6.308
B	3.494
B	10.539
B	3.840
B	5.123
B	5.485
B	-1.894
B	8.016
B	2.310
B	3.882
B	7.030
B	7.727
B	0.105
B	3.650
B	4.547
B	4.985
B	5.159
B	4.760
B	4.934
B	3.106
B	5.598
B	2.162
B	6.520
B	7.046
B	1.757
B	1.848
B	1.096
B	2.145
B	8.435
B	6.099
B	3.972
B	2.409
B	0.569
B	7.013
B	2.594

Diet A			UCB	Frequency	Class Mark	Relative Frequency
	n	50	0	1	-1	0.02
	Mean	5.341	2	3	1	0.06
	SD	2.536	4	10	3	0.20
	Min	-1.715	6	15	5	0.30
	Max	10.062	8	15	7	0.30
	Range	11.777	10	5	9	0.10
			12	1	11	0.02
			Total	50	Total	1



Diet B			UCB	Frequency	Class Mark	Relative Frequency
	n	50.00	-4	1	-5	0.02
	Mean	3.71	-2	0	-3	0.00
	SD	2.77	0	2	-1	0.04
	Min	-4.148	2	10	1	0.20
	Max	10.539	4	15	3	0.30
	Range	14.687	6	11	5	0.22
			8	8	7	0.16
			10	2	9	0.04
			12	1	11	0.02
			Total	50	Total	1



DATA SET B (Diets.xlsx)

These data relate to the weight losses achieved by two separate samples of 50 human subjects, each of whom undertook one of two different weight reducing diets (A or B).

Variable	Description
Diet	The diet undertaken (A or B)
Wtloss	The individual's weight loss (in kg) following a fixed period on the relevant diet

Note that a *negative* value of Wtloss indicates that the individual's weight *increased* over the study period.

The data are as follows:

Diet	Wtloss
A	3.709
A	7.087
A	6.754
⋮	⋮
B	-1.087
B	1.819
B	0.074
⋮	⋮

Interpretation

Diet A yields a somewhat higher average weight loss, and its distribution looks fairly balanced around the centre, suggesting that most participants experienced a moderate and similar degree of weight reduction. Although there is a slight tilt towards the lower end, negative or large positive outliers do not appear frequent.

Diet B, on the other hand, has a slightly lower average weight loss and a wider overall range, indicating that results under this regimen can vary more from one individual to the next. Some participants may even have gained weight (indicated by negative values). Overall, Diet A appears to produce a more consistent outcome, while Diet B shows both modest and more extreme weight-loss values.