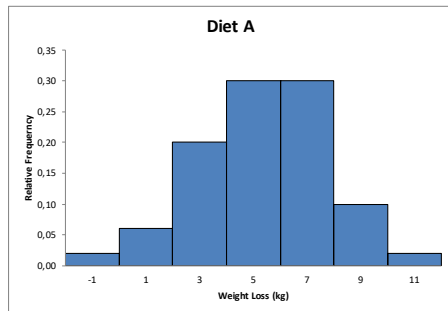


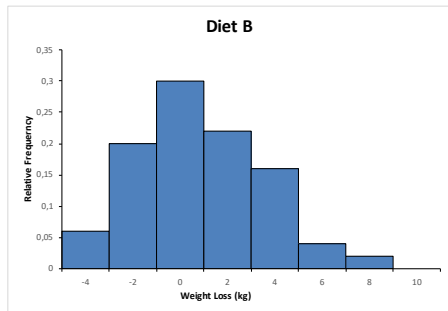
Diet Wtloss  
A 3,709  
A 7,087  
A 6,754  
A 8,994  
A 9,077  
A 6,413  
A 5,877  
A 2,572  
A 7,520  
A 6,881  
A 7,265  
A 3,477  
A 3,755  
A 8,760  
A 7,032  
A 9,052  
A 10,062  
A 4,840  
A 6,449  
A 9,019  
A -1,715  
A 4,718  
A 4,007  
A 7,241  
A 2,128  
A 6,968  
A 4,853  
A 0,055  
A 2,680  
A 3,746  
A 7,033  
A 5,033  
A 5,569  
A 6,712  
A 3,683  
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	n	50	UCB	Frequency	Class Mark	Relative Frequency
	Mean	5,341	0	1	-1	0,02
	SD	2,536	2	3	1	0,06
	Min	-1,715	4	10	3	0,20
	Max	10,062	6	15	5	0,30
	Range	11,777	8	15	7	0,30
			10	5	9	0,10
			12	1	11	0,02
			Total	50	Total	1,00



### Exercise 9.3b

Diet B	n	50	UCB	Frequency	Class Mark	Relative Frequency
	Mean	3,710	0	3	-4	0,06
	SD	2,769	2	10	-2	0,2
	Min	-4,148	4	15	0	0,3
	Max	10,539	6	11	2	0,22
	Range	14,687	8	8	4	0,16
			10	2	6	0,04
			12	1	8	0,02
			14	0	10	0
			Total	50	Total	1,00



Diet A has a Mean weight loss of 5.341kg, and a Standard Deviation (SD) of 2.536kg.  
Diet B has a Mean weight loss of 3.710kg, and a Standard Deviation (SD) of 2.769kg.

From the graphs, we can see clearly that the SD for Diet A, groups the highest weight loss participants closer together (labelled 5-7 on the Horizontal Axis), and Diet B, has the participants more spread out and de-clustered.

From the statistics presented here, Diet A appears to be the most effective for weight loss, as the Mean loss was higher with a smaller SD spread.

Diet B shows that many participants either gained weight (shown by - numbers) or their loss was lower than Diet A.