| 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 |

| **Diet A** | | |
|---|---|---|
| | **n** | 50 |
| | **Mean** | 5.341 |
| | **SD** | 2.536 |
| | **Median** | 5.642 |
| | **Q1** | 3.748 |
| | **Q3** | 7.033 |
| | **IQR** | 3.285 |

Diet A has a higher mean weight reduction (5.341 ) compared to Diet B (3.710 ). Diet A has a lower standard deviation (2.536) compared to Diet B (2.769). This means that the weight reductions in Diet A are generally closer to the mean. Diet A has a median weight reduction of 5.642 , while Diet B has a median of 3.745. The median for Diet A is slightly higher. Diet A has an IQR of 3.285, while Diet B has an IQR of 3.451. This shows the middle 50% of data in Diet A is concentrated within a smaller range compared to Diet B. Diet A is relatively effective in weight reduction compared to Diet B

| **Diet B** | | |
|---|---|---|
| | **n** | 50 |
| | **Mean** | 3.710 |
| | **SD** | 2.769 |
| | **Median** | 3.745 |
| | **Q1** | 1.953 |
| | **Q3** | 5.404 |
| | **IQR** | 3.451 |

| | |
|---|---|
| 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 |