Compare Pairs: Bodyfat Before, After

Data A1:B32

Descriptives

N		28		

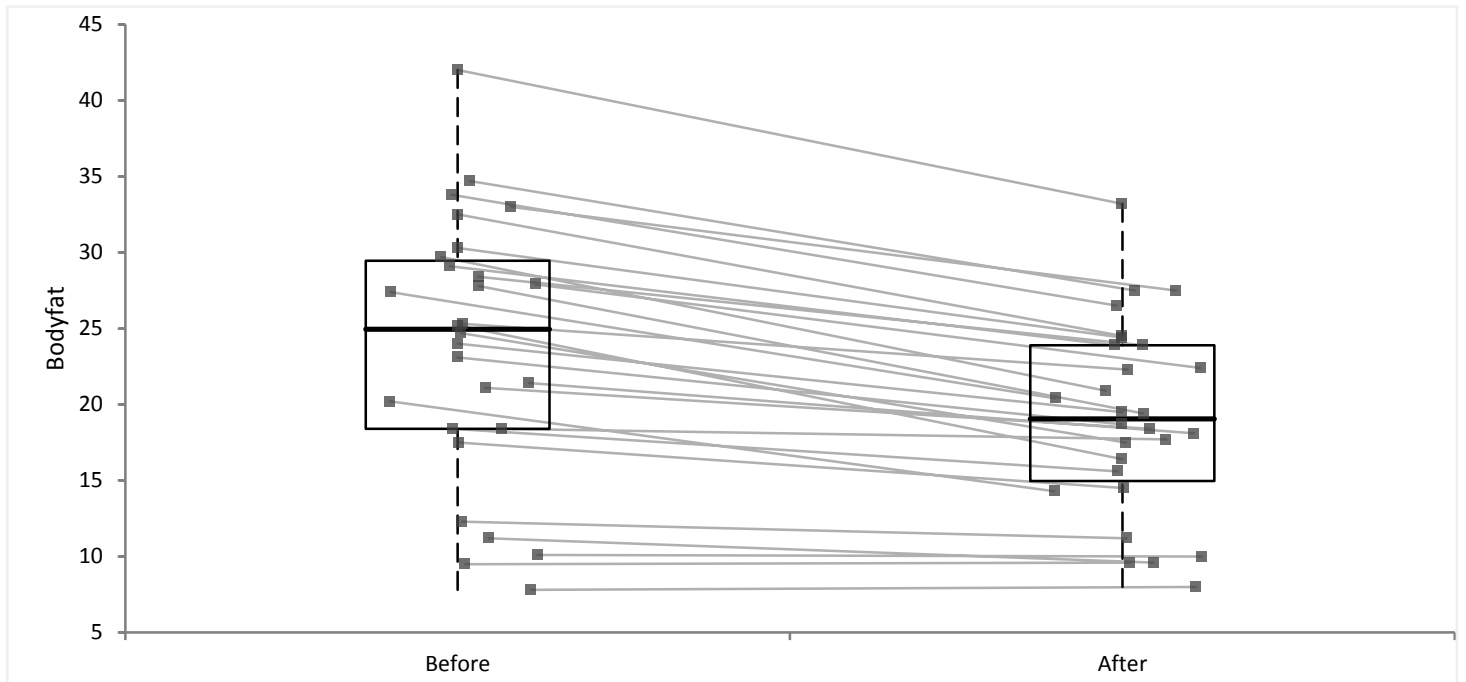| Bodyfat	N	Mean	Mean SE	SD
Before	28	23.81	1.607	8.50
After	28	19.14	1.175	6.22
Differences	28	4.68	0.547	2.89

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Data A1:B32

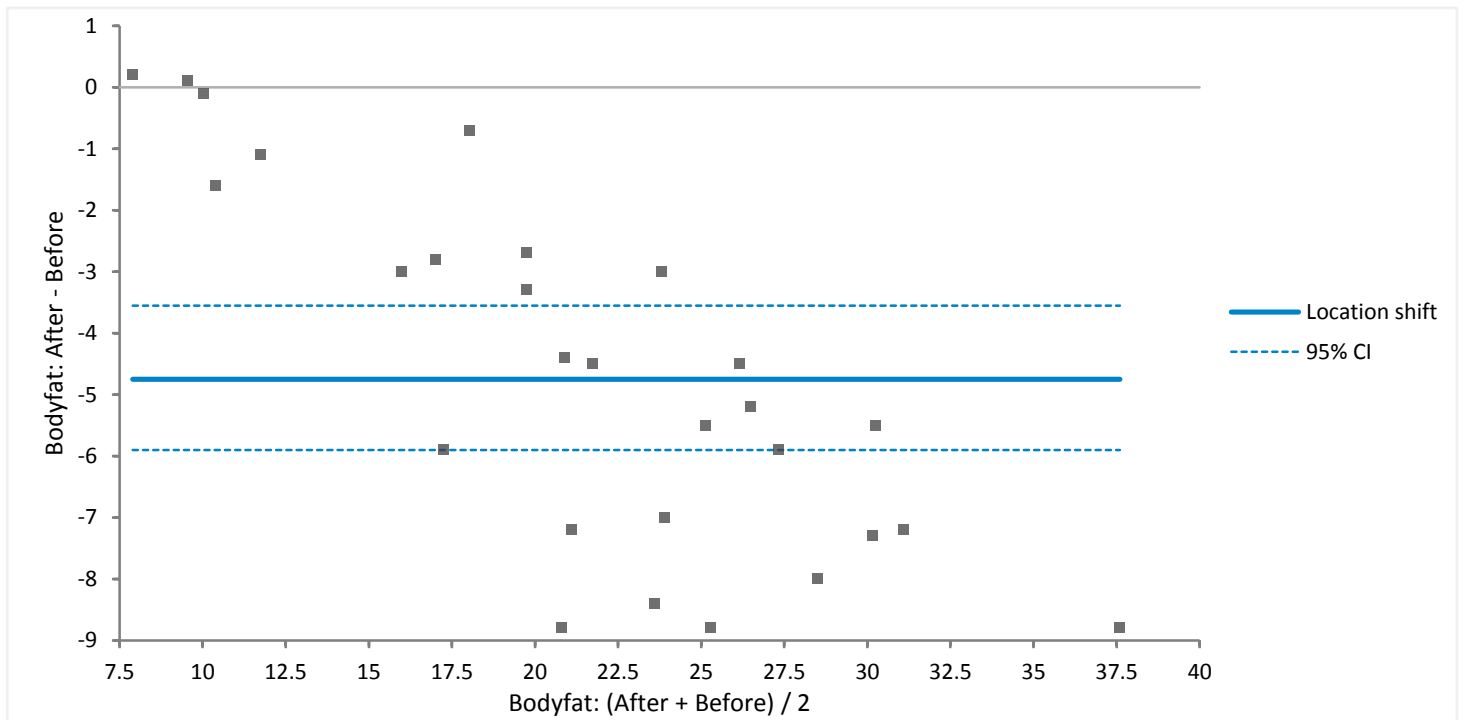Last updated 2 February 2016 at 12:21 by Analyse-it Software, Ltd.

Differences

Location

Hodges-Lehmann shift	-4.75
95.49% CI	-5.90 to -3.55

$$F(_{Bodyfat:\ After})=F(_{Bodyfat:\ Before}+\Delta)$$

Wilcoxon test

Hypothesized difference	0

Sign	n	Rank sum	Mean rank
Positive	2	4.5	2.25
Negative	26	401.5	15.44
Zero	0		

T statistic	4.50
Z approximation	-4.52
p-value	<0.0001[1]

H0: Δ = 0
The shift in location between the distributions of the populations is equal to 0.
H1: Δ ≠ 0
The shift in location between the distributions of the populations is not equal to 0.
[1] Reject the null hypothesis in favour of the alternative hypothesis at the 5% significance level.