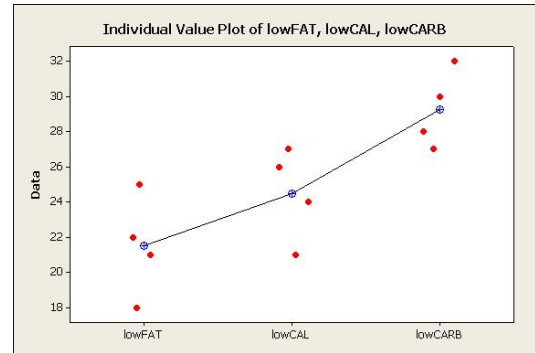


EXAMPLE: Weight Loss under 3 diets

Data:

lowFAT	lowCAL	lowCARB
22	24	28
18	21	27
21	26	30
25	27	32



One-way ANOVA: lowFAT, lowCAL, lowCARB

Source	DF	SS	MS	F	P
Factor	2	122.17	61.08	9.05	0.007
Error	9	60.75	6.75		
Total	11	182.92			

S = 2.598 R-Sq = 66.79% R-Sq(adj) = 59.41%

Individual 95% CIs For Mean Based on Pooled StDev

Level	N	Mean	StDev
lowFAT	4	21.500	2.887
lowCAL	4	24.500	2.646
lowCARB	4	29.250	2.217

Pooled StDev = 2.598

Tukey 95% Simultaneous Confidence Intervals
All Pairwise Comparisons

Individual confidence level = 97.91%

lowFAT subtracted from:

	Lower	Center	Upper
lowCAL	-2.131	3.000	8.131
lowCARB	2.619	7.750	12.881

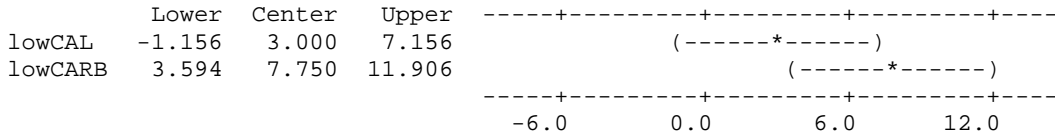
lowCAL subtracted from:

	Lower	Center	Upper
lowCARB	-0.381	4.750	9.881

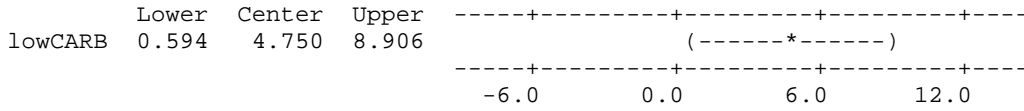
Fisher 95% Individual Confidence Intervals
All Pairwise Comparisons

Simultaneous confidence level = 88.66%

lowFAT subtracted from:



lowCAL subtracted from:

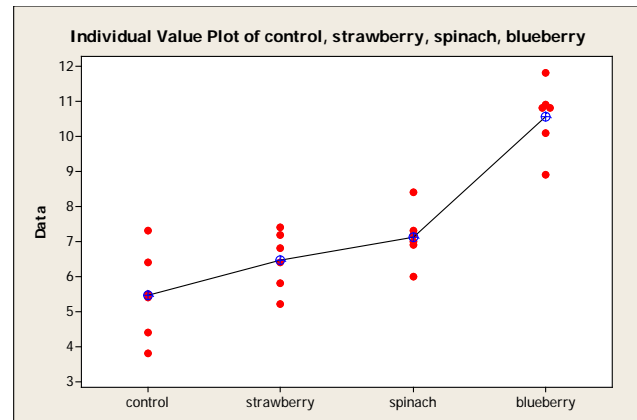


EXAMPLE: Blueberry and Aging

Response Variable: Rod Walking -

Response is Latency to Fall (in seconds) while walking on a rod.

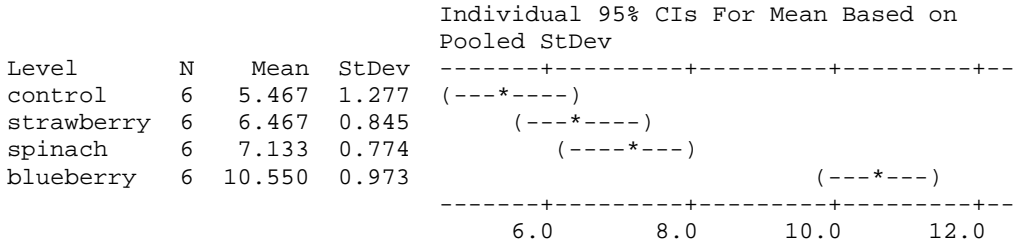
control	strawberry	spinach	blueberry
6.4	7.4	7.2	10.8
3.8	6.8	7.3	10.1
5.4	5.8	8.4	10.9
4.4	6.4	6.9	8.9
5.5	5.2	6.0	11.8
7.3	7.2	7.0	10.8



One-way ANOVA: control, strawberry, spinach, blueberry

Source	DF	SS	MS	F	P
Factor	3	87.615	29.205	30.02	0.000
Error	20	19.455	0.973		
Total	23	107.070			

S = 0.9863 R-Sq = 81.83% R-Sq(adj) = 79.10%

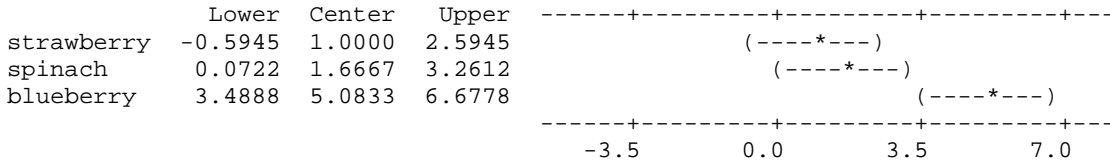


Pooled StDev = 0.986

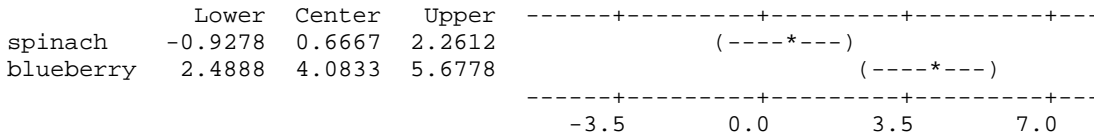
Tukey 95% Simultaneous Confidence Intervals
All Pairwise Comparisons

Individual confidence level = 98.89%

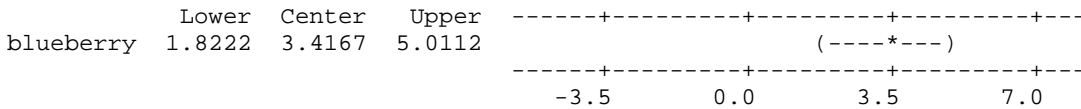
control subtracted from:



strawberry subtracted from:



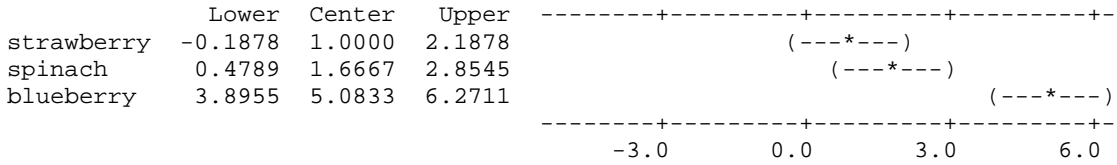
spinach subtracted from:



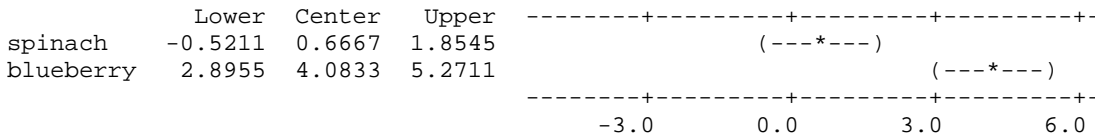
Fisher 95% Individual Confidence Intervals
All Pairwise Comparisons

Simultaneous confidence level = 80.83%

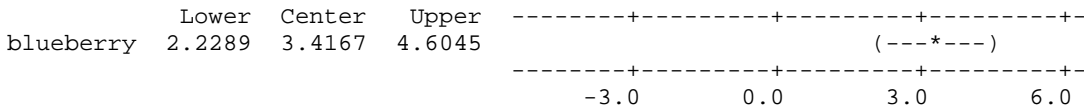
control subtracted from:



strawberry subtracted from:



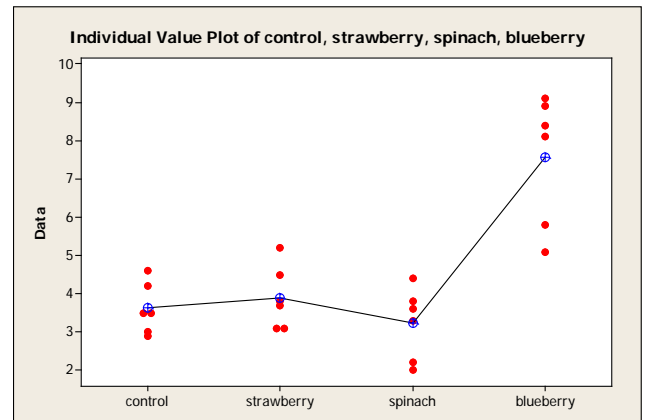
spinach subtracted from:



Response Variable: RotaRod -

Response is Latency to Fall (in seconds) while walking on a **rotating** rod.

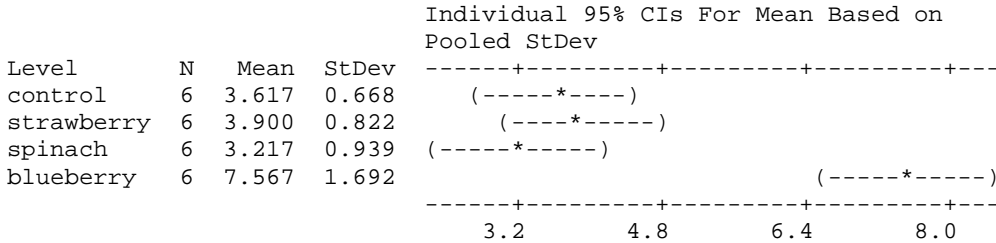
control	strawberry	spinach	blueberry
3.5	4.5	2.2	8.4
2.9	5.2	4.4	5.1
4.6	3.1	3.8	9.1
3.5	3.7	2.0	5.8
3.0	3.8	3.6	8.9
4.2	3.1	3.3	8.1



One-way ANOVA: control, strawberry, spinach, blueberry

Source	DF	SS	MS	F	P
Factor	3	73.02	24.34	20.01	0.000
Error	20	24.33	1.22		
Total	23	97.35			

S = 1.103 R-Sq = 75.01% R-Sq(adj) = 71.26%

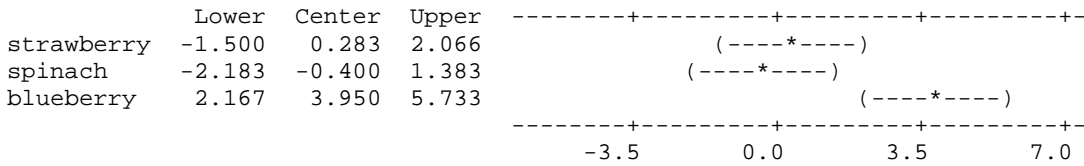


Pooled StDev = 1.103

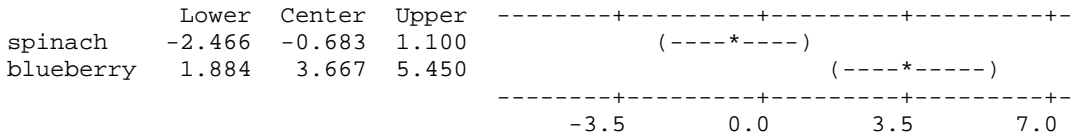
Tukey 95% Simultaneous Confidence Intervals
All Pairwise Comparisons

Individual confidence level = 98.89%

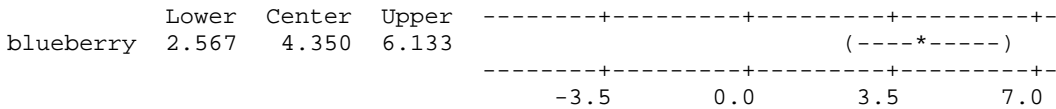
control subtracted from:



strawberry subtracted from:



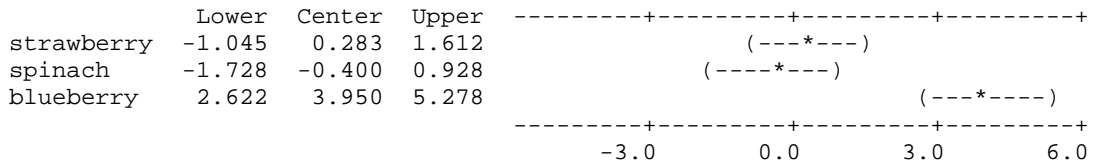
spinach subtracted from:



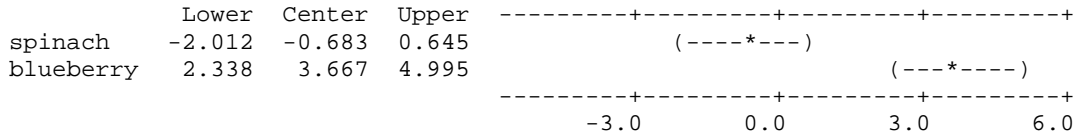
Fisher 95% Individual Confidence Intervals
All Pairwise Comparisons

Simultaneous confidence level = 80.83%

control subtracted from:



strawberry subtracted from:



spinach subtracted from:

