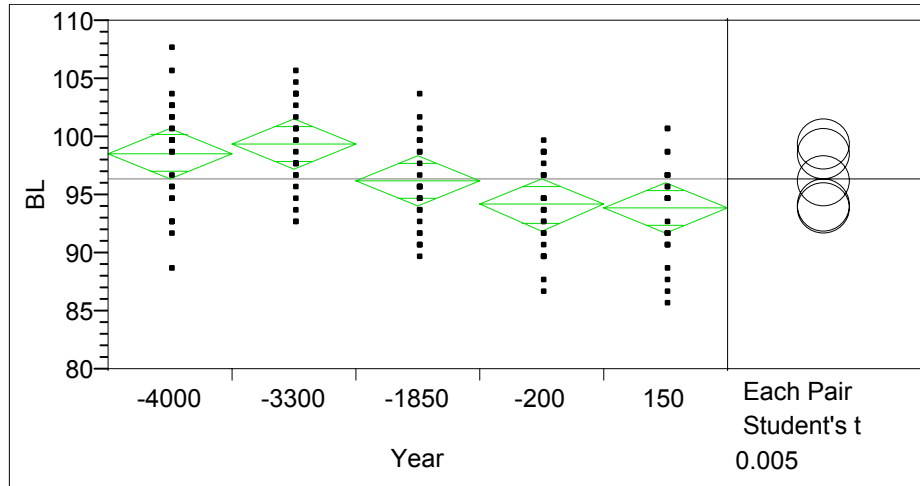


JMP Output for Egyptian Skull Data

Oneway Analysis of BL By Year



Oneway Anova: BL

Summary of Fit

Rsquare	0.247018
Adj Rsquare	0.22385
Root Mean Square Error	3.982082
Mean of Response	96.47407
Observations (or Sum Wgts)	135

Analysis of Variance: BL

Source	DF	Sum of Squares	Mean Square	F Ratio	Prob > F
Year	4	676.2519	169.063	10.6617	<.0001
Error	130	2061.4074	15.857		
C. Total	134	2737.6593			

Means for Oneway Anova: BL

Level	Number	Mean	Std Error	Lower 99.5%	Upper 99.5%
-4000	27	98.6296	0.76635	96.441	100.82
-3300	27	99.4074	0.76635	97.219	101.60
-1850	27	96.2222	0.76635	94.034	98.41
-200	27	94.1852	0.76635	91.997	96.37
150	27	93.9259	0.76635	91.737	96.11

Std Error uses a pooled estimate of error variance

Means Comparisons

Dif=Mean[i]- Mean[j]	-3300	-4000	-1850	-200	150
-3300	0.0000	0.7778	3.1852	5.2222	5.4815
-4000	-0.7778	0.0000	2.4074	4.4444	4.7037
-1850	-3.1852	-2.4074	0.0000	2.0370	2.2963
-200	-5.2222	-4.4444	-2.0370	0.0000	0.2593
150	-5.4815	-4.7037	-2.2963	-0.2593	0.0000

Alpha=0.005

Comparisons for each pair using Student's t

t	Alpha				
2.85574	0.005				
Abs(Dif)-LSD	-3300	-4000	-1850	-200	150
-3300	-3.0950	-2.3172	0.0902	2.1272	2.3865
-4000	-2.3172	-3.0950	-0.6876	1.3494	1.6087
-1850	0.0902	-0.6876	-3.0950	-1.0580	-0.7987
-200	2.1272	1.3494	-1.0580	-3.0950	-2.8357
150	2.3865	1.6087	-0.7987	-2.8357	-3.0950

Positive values show pairs of means that are significantly different.

Level	Mean
-3300 A	99.407407
-4000 A B	98.629630
-1850 B C	96.222222
-200 C	94.185185
150 C	93.925926

Levels not connected by same letter are significantly different

Distributions: Residual

