

Program= MMPC Multiple Linear Regression Output
 Date/Time: Wednesday, January 25, 2023 12:15 AM
 Datafile = Glp1RLepRKO TSE for Ancova Males Lean body mass.csv
 Response Variable = ActT
 Covariate = BW
 Grouping Variable = Group

Alpha = 0.05

18 total cases. Ctrl_M = 8, KO_M = 10

R squared = 14.7134, R squared (adjusted) = 3.34183

Residual Standard Error 190.46 with 15 degrees of freedom

The interaction BW:Group is NOT significant. (p=0.9732)

Source	SumOfSquares	df	MeanSquare	F-ratio	Pvalue	
Regression	9.387E+04	2	4.694E+04	1.294	0.3031	
Residual	5.441E+05	15	3.627E+04	.	.	

Variables	Estimate	StdError	Pvalue	
(Intercept)	1265	491.2	0.02111	
BW	-43.31	27.23	0.1326	
Group	134.4	114.8	0.2599	

Basic Statistics - Avg(Stdev)			

Groups	Ctrl_M	KO_M	
ActT	491.01 (150.596)	512.72 (213.182)	
BW	17.87 (1.226)	20.47 (1.921)	

Model-based Statistics - Avg ActT(StErr)				

BW	Ctrl_M	KO_M	p-value	
Overall Mean	428.39 (78.003)	562.82 (67.967)	0.26	
Group Means	490.9 (67.338)	512.72 (60.229)	0.8134	
Residual Var	26768.36075	47933.46532		

MMPC Regression Analysis Data Plots.

