

Program= MMPC Multiple Linear Regression Output
 Date/Time: Wednesday, January 25, 2023 12:16 AM
 Datafile = Glp1RLepRKO TSE for Ancova_Females lean mass.csv
 Response Variable = HP
 Covariate = BW
 Grouping Variable = Group

Alpha = 0.05

14 total cases. Ctrl_F = 7, KO_F = 7

R squared = 21.9429, R squared (adjusted) = 7.75073

Residual Standard Error 0.0550545 with 11 degrees of freedom

The interaction BW:Group is NOT significant. (p=0.841)

Source	SumOfSquares	df	MeanSquare	F-ratio	Pvalue
Regression	0.009373	2	0.004686	1.546	0.256
Residual	0.03334	11	0.003031	.	.

Variables	Estimate	StdError	Pvalue
(Intercept)	0.2412	0.1141	0.05816
BW	0.0005413	0.007948	0.9469
Group	0.05019	0.03691	0.2011

Basic Statistics - Avg(Stdev)

Groups	Ctrl_F	KO_F
HP	0.25 (0.038)	0.3 (0.058)
BW	14.11 (1.484)	16.92 (2.157)

Model-based Statistics - Avg HP(StErr)

BW	Ctrl_F	KO_F	p-value
Overall Mean	0.25 (0.024)	0.3 (0.024)	0.2011
Group Means	0.25 (0.021)	0.3 (0.021)	0.1067
Residual Var	0.00203	0.00461	

MMPC Regression Analysis Data Plots.

