

Experiment with Repeated Measures on One Factor**The GLM Procedure**

Class Level Information		
Class	Levels	Values
GENDER	2	FEMALE MALE
DRUG	3	A B C
DIET	2	HIGH FAT LOW FAT
SUBJ	20	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20

Number of Observations Read	60
Number of Observations Used	60

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The GLM Procedure

Dependent Variable: LDL

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	59	29810.18333	505.25734	.	.
Error	0	0.00000	.	.	.
Corrected Total	59	29810.18333	.	.	.

R-Square	Coeff Var	Root MSE	LDL Mean
1.000000	.	.	110.8833

Source	DF	Type III SS	Mean Square	F Value	Pr > F
GENDER	1	801.603385	801.603385	.	.
DIET	1	4812.822054	4812.822054	.	.
GENDER*DIET	1	1228.824710	1228.824710	.	.
SUBJ(GENDER*DIET)	16	5586.476190	349.154762	.	.
DRUG	2	4025.455454	2012.727727	.	.
GENDER*DRUG	2	1691.497758	845.748879	.	.
DRUG*DIET	2	621.255569	310.627784	.	.
GENDER*DRUG*DIET	2	173.627477	86.813739	.	.
DRUG*SUBJ(GENDER*DIET)	32	9578.250000	299.320312	.	.

Tests of Hypotheses Using the Type III MS for SUBJ(GENDER*DIET) as an Error Term					
Source	DF	Type III SS	Mean Square	F Value	Pr > F
GENDER	1	801.603385	801.603385	2.30	0.1492
DIET	1	4812.822054	4812.822054	13.78	0.0019
GENDER*DIET	1	1228.824710	1228.824710	3.52	0.0790

Tests of Hypotheses Using the Type III MS for DRUG*SUBJ(GENDER*DIET) as an Error Term					
Source	DF	Type III SS	Mean Square	F Value	Pr > F
DRUG	2	4025.455454	2012.727727	6.72	0.0036
GENDER*DRUG	2	1691.497758	845.748879	2.83	0.0741
DRUG*DIET	2	621.255569	310.627784	1.04	0.3659
GENDER*DRUG*DIET	2	173.627477	86.813739	0.29	0.7502

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Dependent Variable: HDL

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	59	8236.183333	139.596328	.	.
Error	0	0.000000	.	.	.
Corrected Total	59	8236.183333	.	.	.

R-Square	Coeff Var	Root MSE	HDL Mean
1.000000	.	.	46.38333

Source	DF	Type III SS	Mean Square	F Value	Pr > F
GENDER	1	26.336617	26.336617	.	.
DIET	1	615.887983	615.887983	.	.
GENDER*DIET	1	382.889586	382.889586	.	.
SUBJ(GENDER*DIET)	16	1391.799603	86.987475	.	.
DRUG	2	1042.172867	521.086434	.	.
GENDER*DRUG	2	603.049867	301.524933	.	.
DRUG*DIET	2	66.683527	33.341764	.	.
GENDER*DRUG*DIET	2	41.060897	20.530448	.	.
DRUG*SUBJ(GENDER*DIET)	32	3396.003968	106.125124	.	.

Tests of Hypotheses Using the Type III MS for SUBJ(GENDER*DIET) as an Error Term					
Source	DF	Type III SS	Mean Square	F Value	Pr > F
GENDER	1	26.3366174	26.3366174	0.30	0.5898
DIET	1	615.8879835	615.8879835	7.08	0.0171
GENDER*DIET	1	382.8895860	382.8895860	4.40	0.0521

Tests of Hypotheses Using the Type III MS for DRUG*SUBJ(GENDER*DIET) as an Error Term					
Source	DF	Type III SS	Mean Square	F Value	Pr > F
DRUG	2	1042.172867	521.086434	4.91	0.0138
GENDER*DRUG	2	603.049867	301.524933	2.84	0.0731
DRUG*DIET	2	66.683527	33.341764	0.31	0.7326
GENDER*DRUG*DIET	2	41.060897	20.530448	0.19	0.8251

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Dependent Variable: TOTAL

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	59	78282.98333	1326.83023	.	.
Error	0	0.00000	.	.	.
Corrected Total	59	78282.98333	.	.	.

R-Square	Coeff Var	Root MSE	TOTAL Mean
1.000000	.	.	206.6833

Source	DF	Type III SS	Mean Square	F Value	Pr > F
GENDER	1	5023.35748	5023.35748	.	.
DIET	1	10546.97929	10546.97929	.	.
GENDER*DIET	1	886.18726	886.18726	.	.
SUBJ(GENDER*DIET)	16	15756.78571	984.79911	.	.
DRUG	2	1385.80353	692.90177	.	.
GENDER*DRUG	2	6466.47747	3233.23873	.	.
DRUG*DIET	2	43.18469	21.59235	.	.
GENDER*DRUG*DIET	2	376.70759	188.35380	.	.
DRUG*SUBJ(GENDER*DIET)	32	33539.47619	1048.10863	.	.

Tests of Hypotheses Using the Type III MS for SUBJ(GENDER*DIET) as an Error Term					
Source	DF	Type III SS	Mean Square	F Value	Pr > F
GENDER	1	5023.35748	5023.35748	5.10	0.0382
DIET	1	10546.97929	10546.97929	10.71	0.0048
GENDER*DIET	1	886.18726	886.18726	0.90	0.3569

Tests of Hypotheses Using the Type III MS for DRUG*SUBJ(GENDER*DIET) as an Error Term					
Source	DF	Type III SS	Mean Square	F Value	Pr > F
DRUG	2	1385.803531	692.901766	0.66	0.5232
GENDER*DRUG	2	6466.477468	3233.238734	3.08	0.0596
DRUG*DIET	2	43.184692	21.592346	0.02	0.9796
GENDER*DRUG*DIET	2	376.707593	188.353797	0.18	0.8364