ANOVA: One Parent with High Cholesterol vs. Both Parents with High Cholesterol

The GLM Procedure

Class Level Information		
Class	**Levels**	**Values**
parent_status	3	both neit one

Number of Observations Read	33
Number of Observations Used	33

ANOVA: One Parent with High Cholesterol vs. Both Parents with High Cholesterol

The GLM Procedure

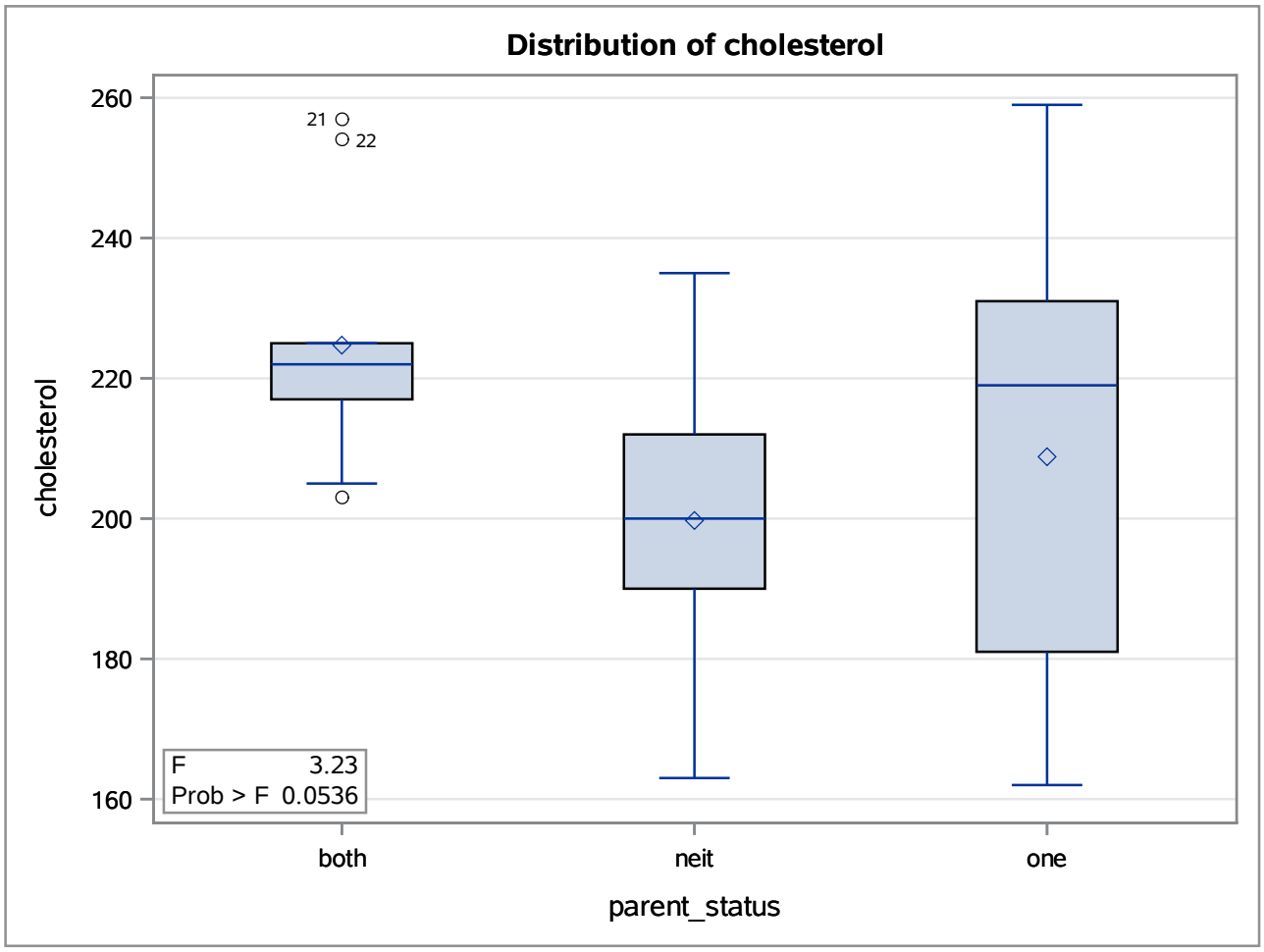
Dependent Variable: cholesterol

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	2	3522.72727	1761.36364	3.23	0.0536
Error	30	16350.00000	545.00000		
Corrected Total	32	19872.72727			

R-Square	Coeff Var	Root MSE	cholesterol Mean
0.177264	11.05933	23.34524	211.0909

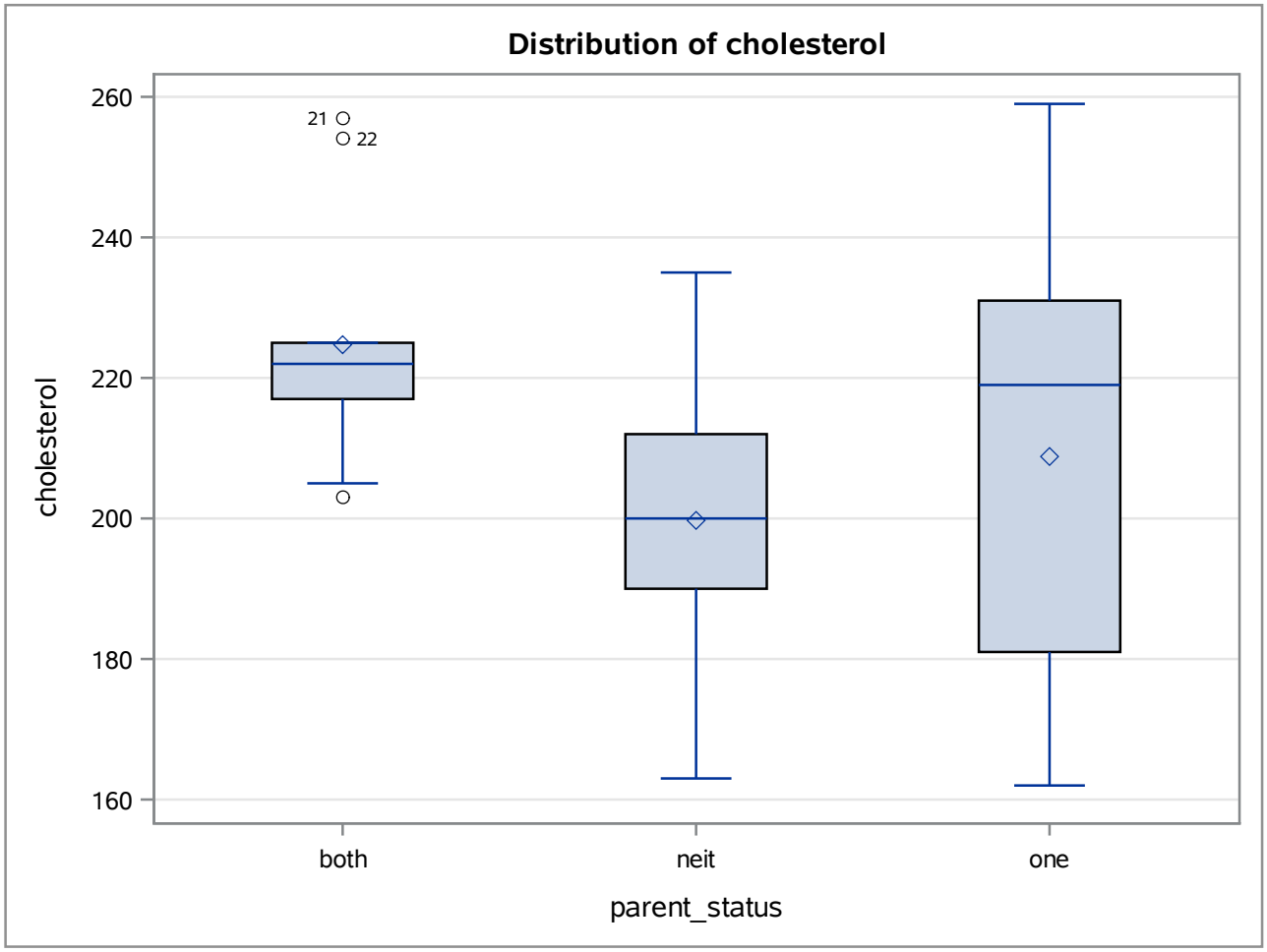
Source	DF	Type I SS	Mean Square	F Value	Pr > F
parent_status	2	3522.727273	1761.363636	3.23	0.0536

Source	DF	Type III SS	Mean Square	F Value	Pr > F
parent_status	2	3522.727273	1761.363636	3.23	0.0536



ANOVA: One Parent with High Cholesterol vs. Both Parents with High Cholesterol

The GLM Procedure



Level of parent_status	N	cholesterol	
		Mean	Std Dev
both	11	224.727273	16.9298016
neit	11	199.727273	20.4845840
one	11	208.818182	30.4756236

ANCOVA: One Parent vs. Both Parents using Age as a Covariate

The GLM Procedure

Class Level Information		
Class	**Levels**	**Values**
parent_status	3	both neit one

Number of Observations Read	33
Number of Observations Used	33

ANCOVA: One Parent vs. Both Parents using Age as a Covariate

The GLM Procedure

Dependent Variable: cholesterol

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	3	13363.50836	4454.50279	19.85	<.0001
Error	29	6509.21892	224.45582		
Corrected Total	32	19872.72727			

R-Square	Coeff Var	Root MSE	cholesterol Mean
0.672455	7.097345	14.98185	211.0909

Source	DF	Type I SS	Mean Square	F Value	Pr > F
parent_status	2	3522.727273	1761.363636	7.85	0.0019
age	1	9840.781083	9840.781083	43.84	<.0001

Source	DF	Type III SS	Mean Square	F Value	Pr > F
parent_status	2	1509.137493	754.568746	3.36	0.0486
age	1	9840.781083	9840.781083	43.84	<.0001

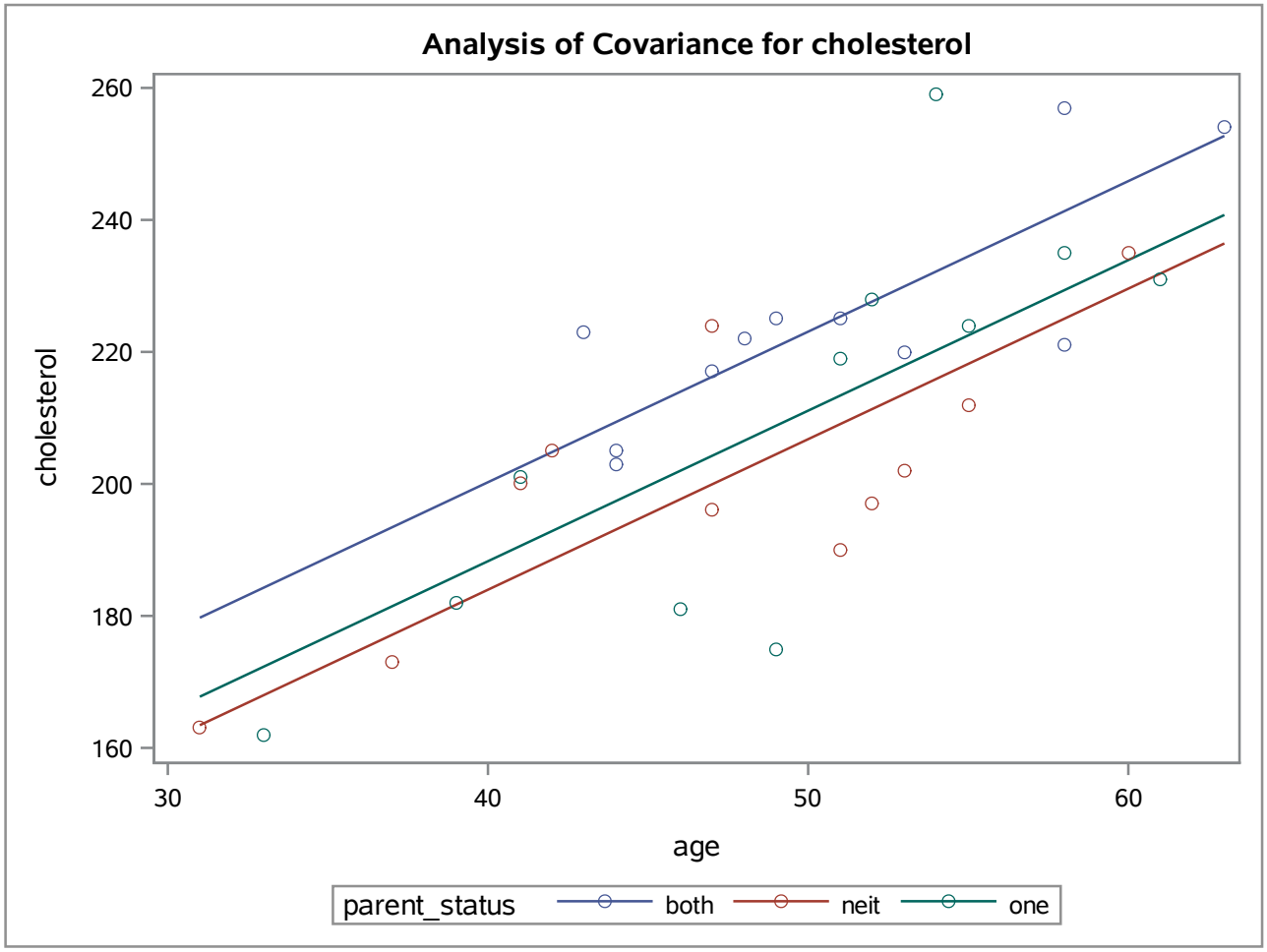
Parameter	Estimate		Standard Error	t Value	Pr > |t|
Intercept	97.04061235	B	17.47520000	5.55	<.0001
parent_status both	11.96887974	B	6.41593810	1.87	0.0723
parent_status neit	-4.32117978	B	6.42876785	-0.67	0.5068
parent_status one	0.00000000	B	.	.	.
age	2.28117489		0.34451587	6.62	<.0001

Note: The X'X matrix has been found to be singular, and a generalized inverse was used to solve the normal equations. Terms whose estimates are followed by the letter 'B' are not uniquely estimable.

ANCOVA: One Parent vs. Both Parents using Age as a Covariate

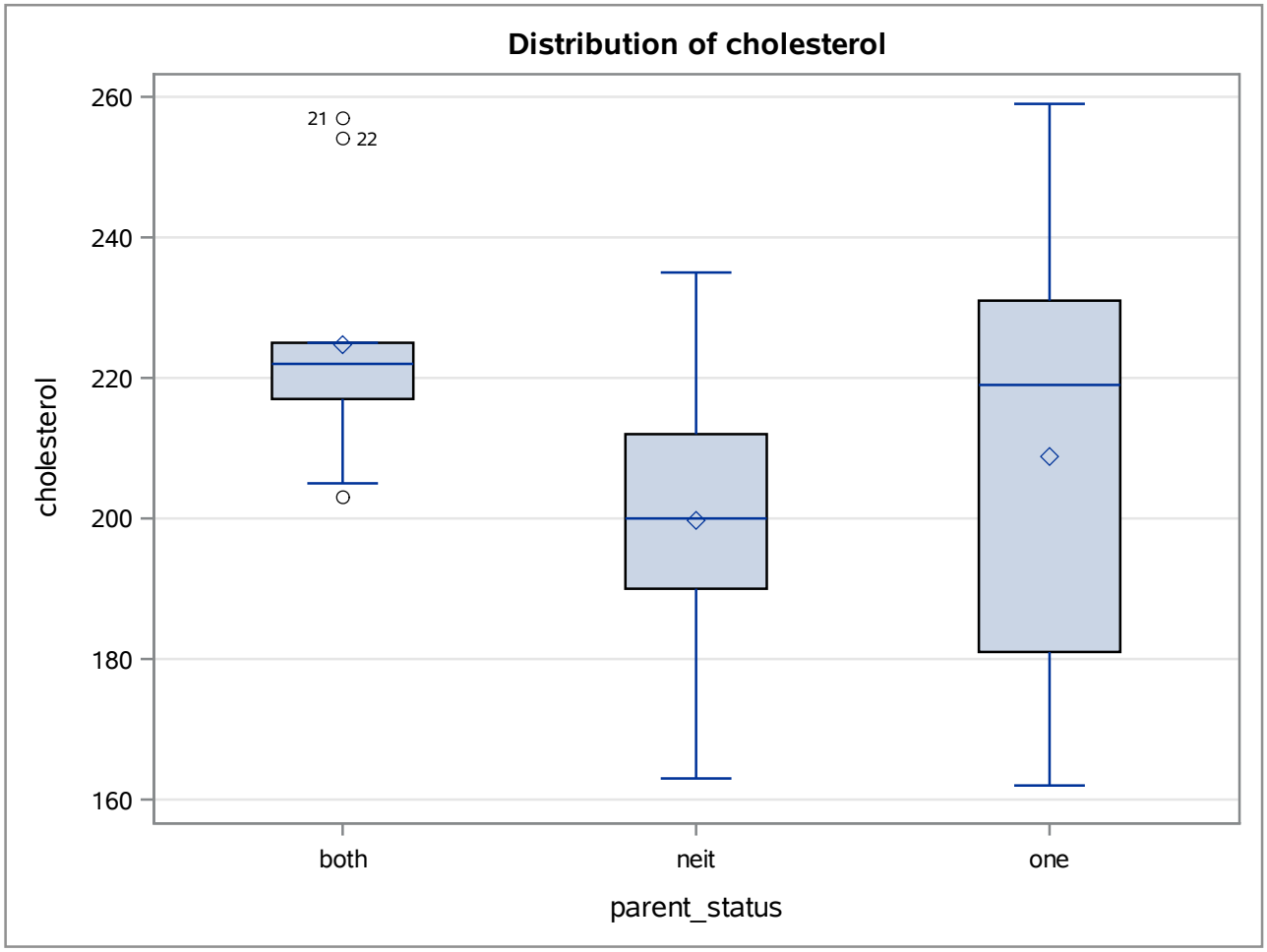
The GLM Procedure

Dependent Variable: cholesterol



ANCOVA: One Parent vs. Both Parents using Age as a Covariate

The GLM Procedure

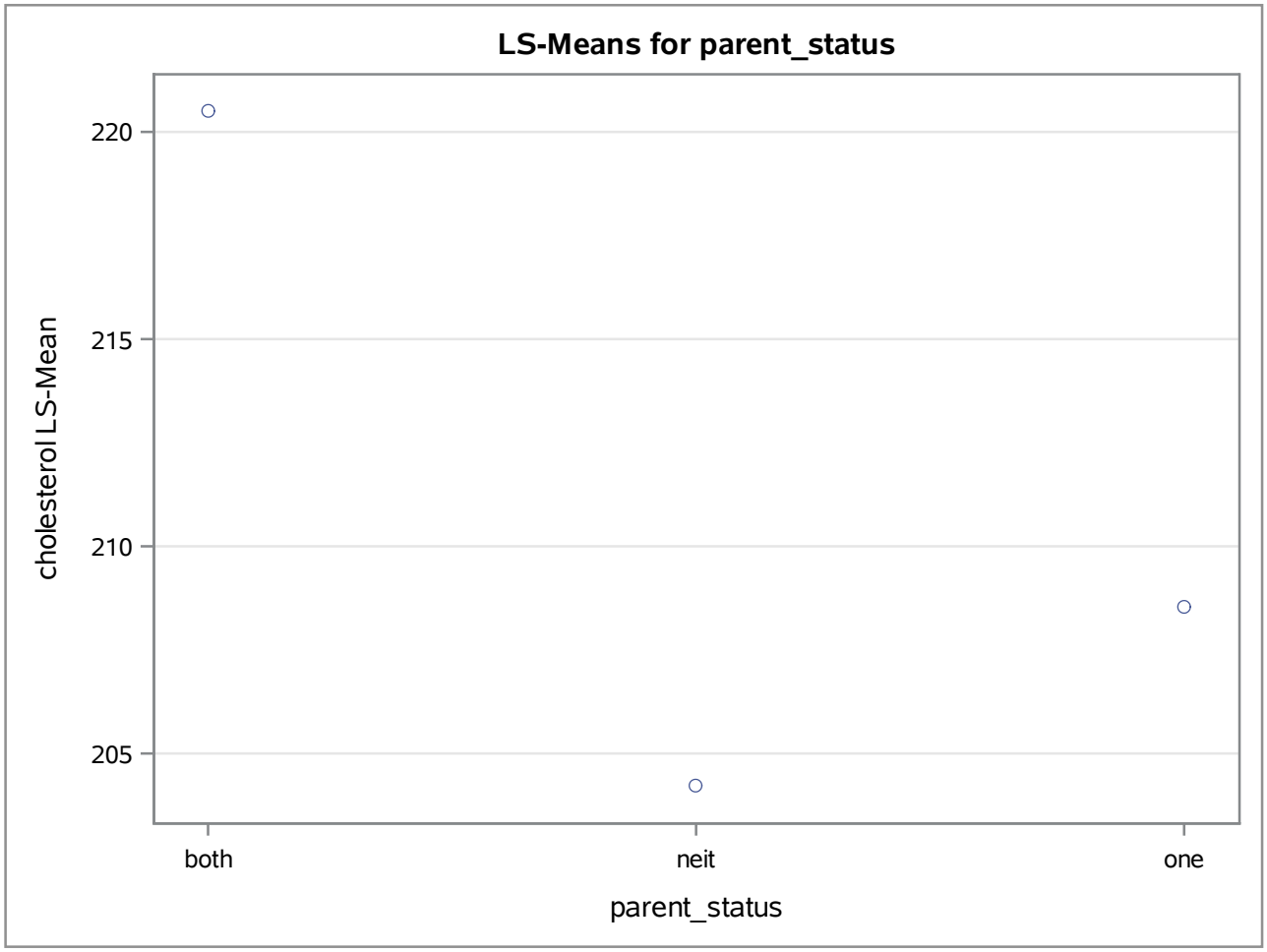


Level of parent_status	N	cholesterol		age	
		Mean	Std Dev	Mean	Std Dev
both	11	224.727273	16.9298016	50.7272727	6.60440624
neit	11	199.727273	20.4845840	46.9090909	8.52589638
one	11	208.818182	30.4756236	49.0000000	8.53229160

ANCOVA: One Parent vs. Both Parents using Age as a Covariate

The GLM Procedure
Least Squares Means

parent_status	cholesterol LSMEAN
both	220.510556
neit	204.220496
one	208.541676



ANCOVA: Interaction Between Age and Group

The GLM Procedure

Class Level Information		
Class	**Levels**	**Values**
parent_status	3	both neit one

Number of Observations Read	33
Number of Observations Used	33

ANCOVA: Interaction Between Age and Group

The GLM Procedure

Dependent Variable: cholesterol

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	5	13774.15494	2754.83099	12.20	<.0001
Error	27	6098.57233	225.87305		
Corrected Total	32	19872.72727			

R-Square	Coeff Var	Root MSE	cholesterol Mean
0.693119	7.119716	15.02907	211.0909

Source	DF	Type I SS	Mean Square	F Value	Pr > F
parent_status	2	3522.727273	1761.363636	7.80	0.0021
age	1	9840.781083	9840.781083	43.57	<.0001
age*parent_status	2	410.646588	205.323294	0.91	0.4149

Source	DF	Type III SS	Mean Square	F Value	Pr > F
parent_status	2	424.111038	212.055519	0.94	0.4035
age	1	9012.707006	9012.707006	39.90	<.0001
age*parent_status	2	410.646588	205.323294	0.91	0.4149

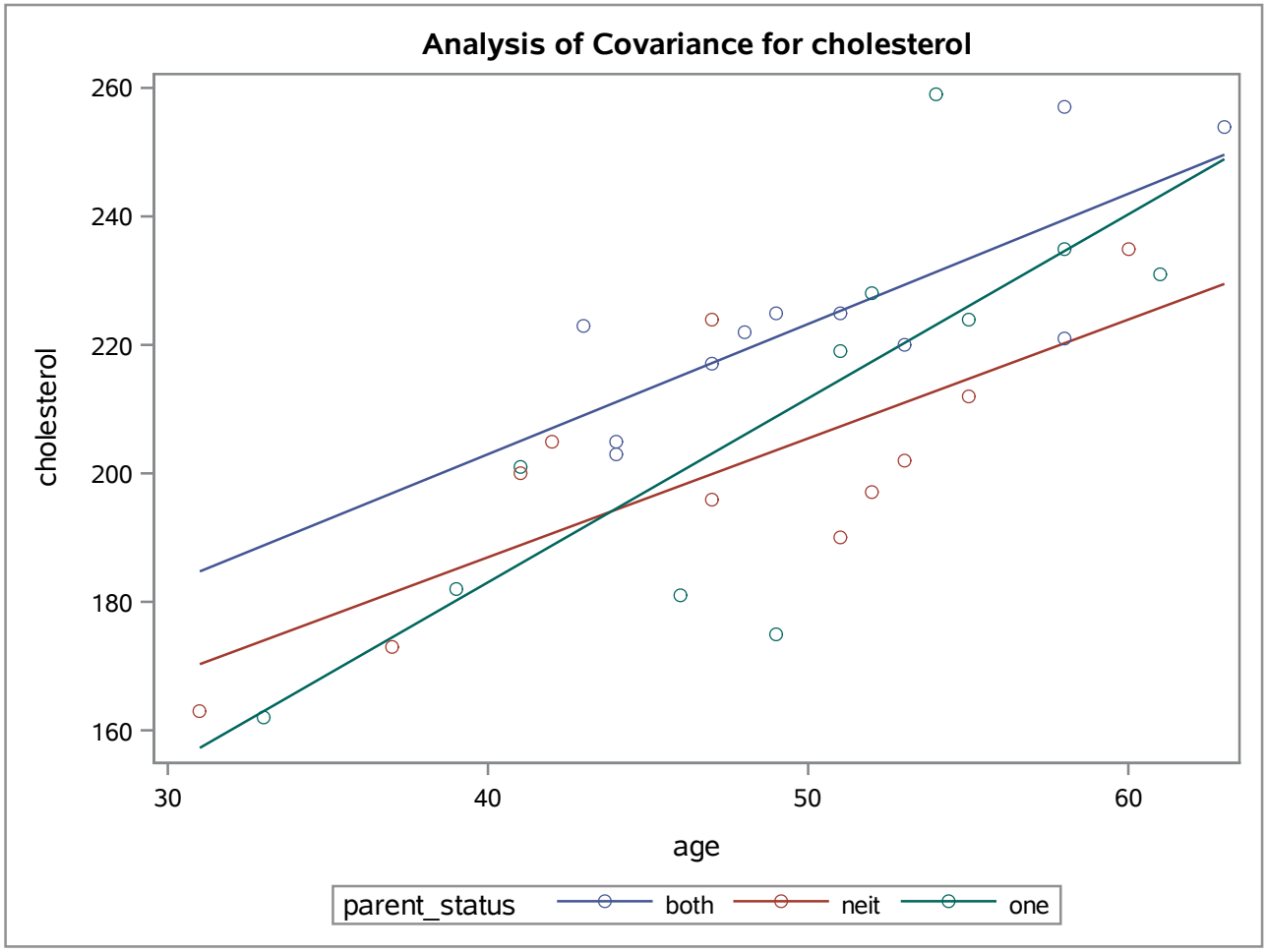
Parameter	Estimate		Standard Error	t Value	Pr > |t|
Intercept	68.48164336	B	27.66732016	2.48	0.0199
parent_status both	53.41664760	B	46.02774577	1.16	0.2560
parent_status neit	44.46733113	B	38.33752868	1.16	0.2562
parent_status one	0.00000000	B	.	.	.
age	2.86401099	B	0.55701452	5.14	<.0001
age*parent_status both	-0.83691637	B	0.91000367	-0.92	0.3659
age*parent_status neit	-1.01408603	B	0.78803299	-1.29	0.2091
age*parent_status one	0.00000000	B	.	.	.

Note: The X'X matrix has been found to be singular, and a generalized inverse was used to solve the normal equations. Terms whose estimates are followed by the letter 'B' are not uniquely estimable.

ANCOVA: Interaction Between Age and Group

The GLM Procedure

Dependent Variable: cholesterol



ANCOVA: Interaction Between Age and Group

The GLM Procedure
Least Squares Means

parent_status	cholesterol LSMEAN
both	220.980219
neit	203.371064
one	208.471029