The SAS System

The GLM Procedure

Class Level Information		
Class	Levels	Values
group	2	1 2

Number of Observations Read	12
Number of Observations Used	12

The GLM Procedure

Dependent Variable: y

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	3	721.0363297	240.3454432	30.73	<.0001
Error	9	70.3887703	7.8209745		
Uncorrected Total	12	791.4251000			

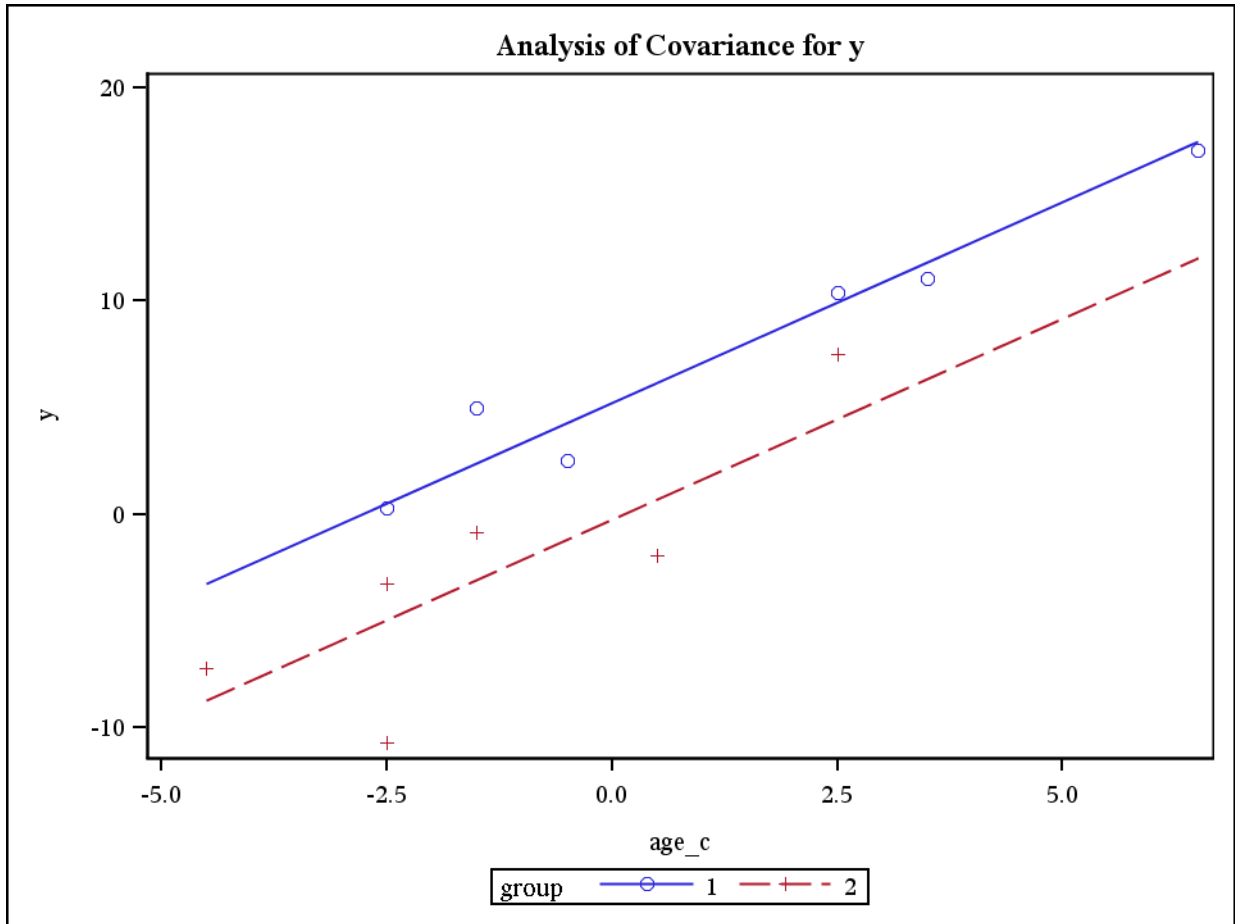| R-Square	Coeff Var	Root MSE	y Mean
0.902001	113.2609	2.796601	2.469167

Source	DF	Type I SS	Mean Square	F Value	Pr > F
age_c	1	576.0879786	576.0879786	73.66	<.0001
group	2	144.9483511	72.4741756	9.27	0.0065

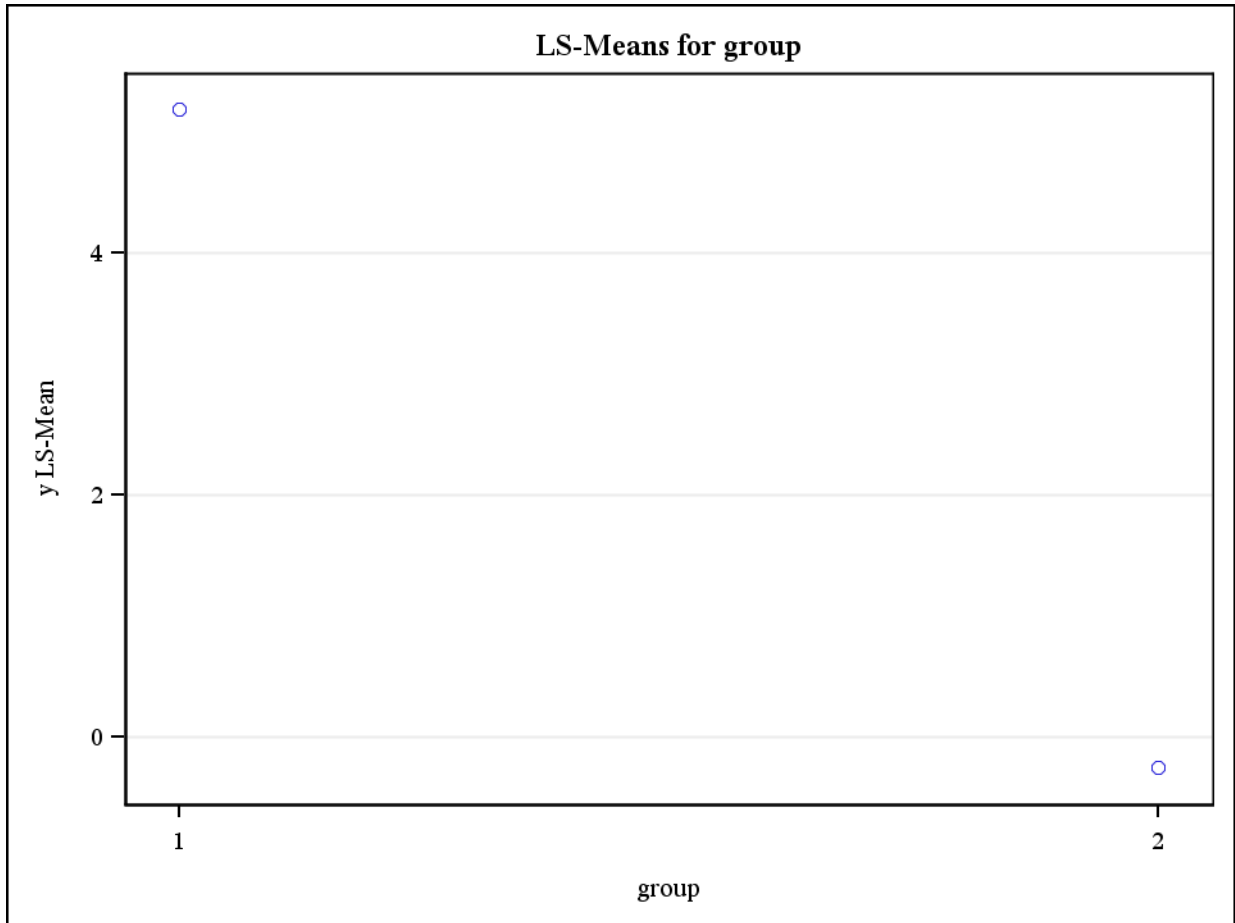| Source	DF	Type III SS	Mean Square	F Value	Pr > F
age_c	1	318.9075130	318.9075130	40.78	0.0001
group	2	144.9483511	72.4741756	9.27	0.0065

Dependent Variable: y

Analysis of Covariance for y

The GLM Procedure
Least Squares Means

group	y LSMEAN	Standard Error	H0:LSMEAN=0 Pr > |t|	H0:LSMean1=LSMean2 Pr > |t|
1	5.19047708	1.20770793	0.0020	0.0143
2	-0.25214374	1.20770793	0.8393	
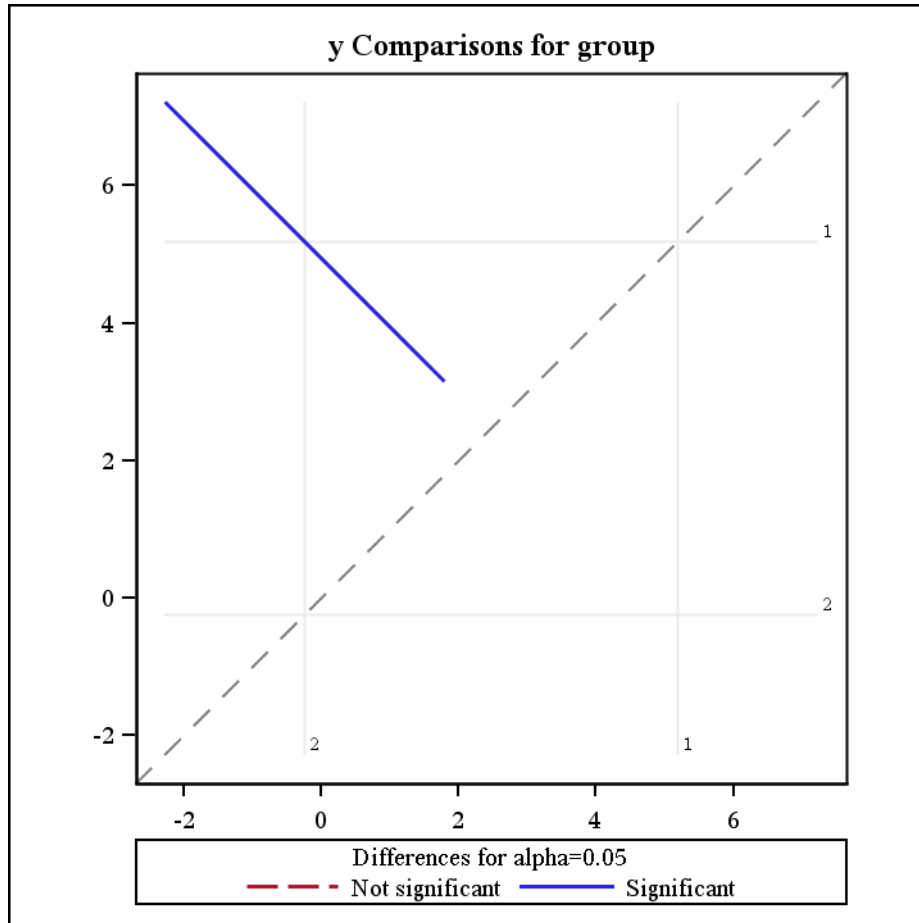
LS-Means for group

The GLM Procedure
Least Squares Means

y Comparisons for group

The SAS System

The GLM Procedure

Class Level Information		
Class	Levels	Values
group	2	1 2

Number of Observations Read	12
Number of Observations Used	12

The GLM Procedure

Dependent Variable: y

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	2	647.8749214	323.9374607	41.42	<.0001
Error	9	70.3887703	7.8209745		
Corrected Total	11	718.2636917			

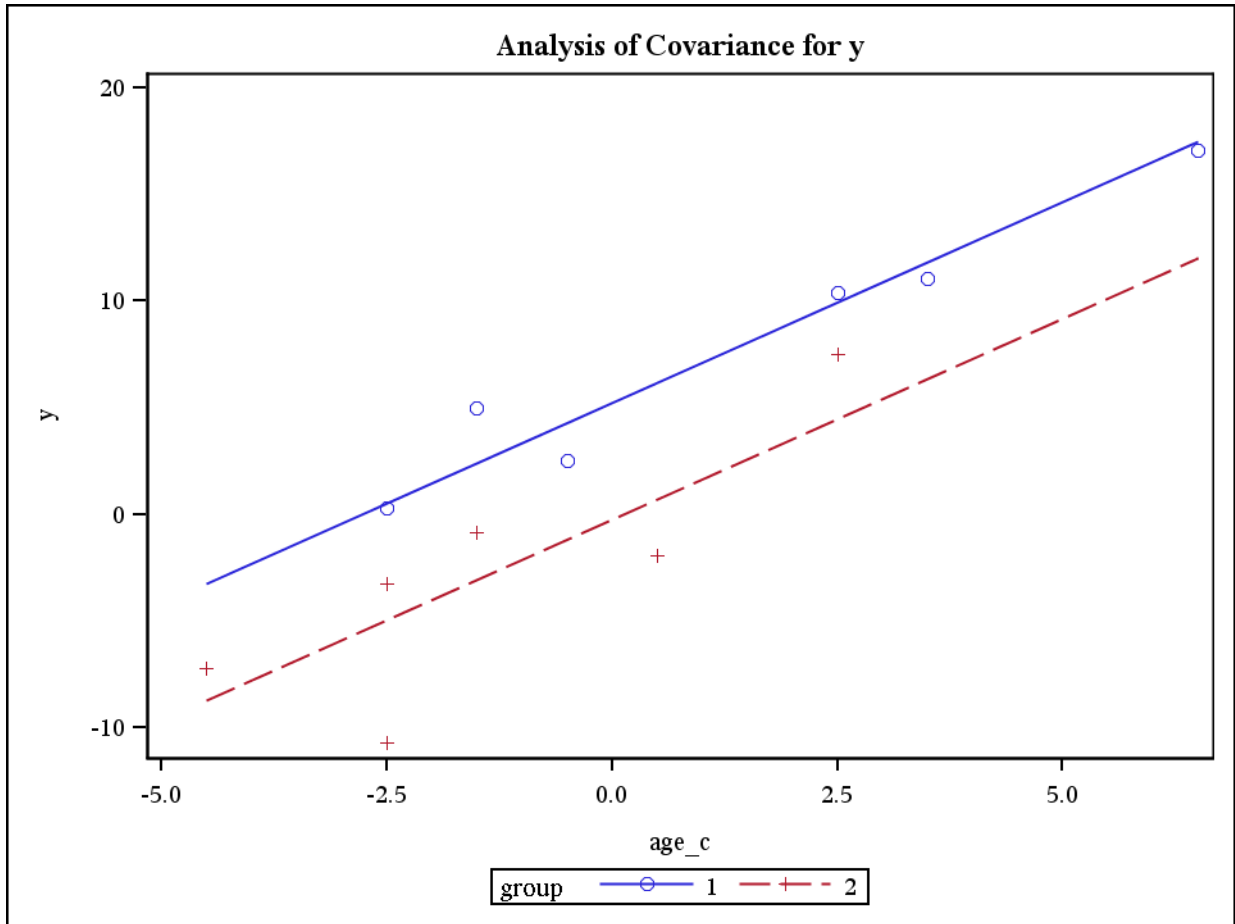| R-Square	Coeff Var	Root MSE	y Mean
0.902001	113.2609	2.796601	2.469167

Source	DF	Type I SS	Mean Square	F Value	Pr > F
age_c	1	576.0879786	576.0879786	73.66	<.0001
group	1	71.7869428	71.7869428	9.18	0.0143

Source	DF	Type III SS	Mean Square	F Value	Pr > F
age_c	1	318.9075130	318.9075130	40.78	0.0001
group	1	71.7869428	71.7869428	9.18	0.0143

The GLM Procedure

Dependent Variable: y

The SAS System

The GLM Procedure

Class Level Information		
Class	Levels	Values
group	2	1 2

Number of Observations Read	12
Number of Observations Used	12

The GLM Procedure

Dependent Variable: y

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	1	328.9674083	328.9674083	8.45	0.0156
Error	10	389.2962833	38.9296283		
Corrected Total	11	718.2636917			

R-Square	Coeff Var	Root MSE	y Mean
0.458004	252.6910	6.239361	2.469167

Source	DF	Type I SS	Mean Square	F Value	Pr > F
group	1	328.9674083	328.9674083	8.45	0.0156

Source	DF	Type III SS	Mean Square	F Value	Pr > F
group	1	328.9674083	328.9674083	8.45	0.0156

Distribution of y
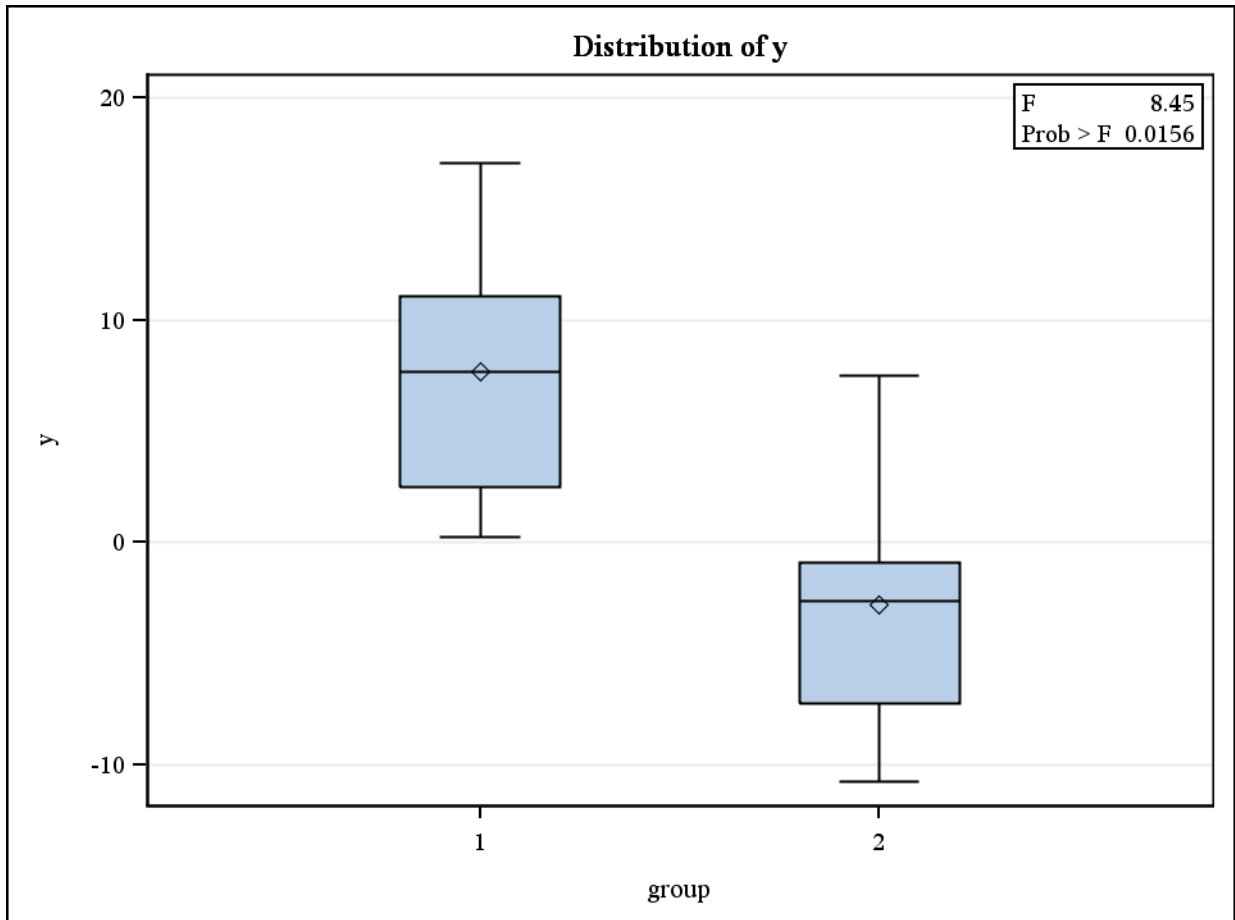
The SAS System

The GLM Procedure

Number of Observations Read	12
Number of Observations Used	12

The GLM Procedure

Dependent Variable: y

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	1	576.0879786	576.0879786	40.52	<.0001
Error	10	142.1757131	14.2175713		
Corrected Total	11	718.2636917			

R-Square	Coeff Var	Root MSE	y Mean
0.802056	152.7082	3.770619	2.469167

Source	DF	Type I SS	Mean Square	F Value	Pr > F
age_c	1	576.0879786	576.0879786	40.52	<.0001

Source	DF	Type III SS	Mean Square	F Value	Pr > F
age_c	1	576.0879786	576.0879786	40.52	<.0001

Parameter	Estimate	Standard Error	t Value	Pr > |t|
Intercept	2.469166667	1.08848409	2.27	0.0467
age_c	2.278153153	0.35789136	6.37	<.0001

The GLM Procedure

Dependent Variable: y

Fit Plot for y