The SAS System

The GLM Procedure

Class Level Information		
Class	**Levels**	**Values**
culture	2	1 2

Number of Observations Read	20
Number of Observations Used	20

The SAS System

The GLM Procedure

Dependent Variable: gain

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	2	1313.172361	656.586180	21.49	<.0001
Error	17	519.377639	30.551626		
Corrected Total	19	1832.550000			

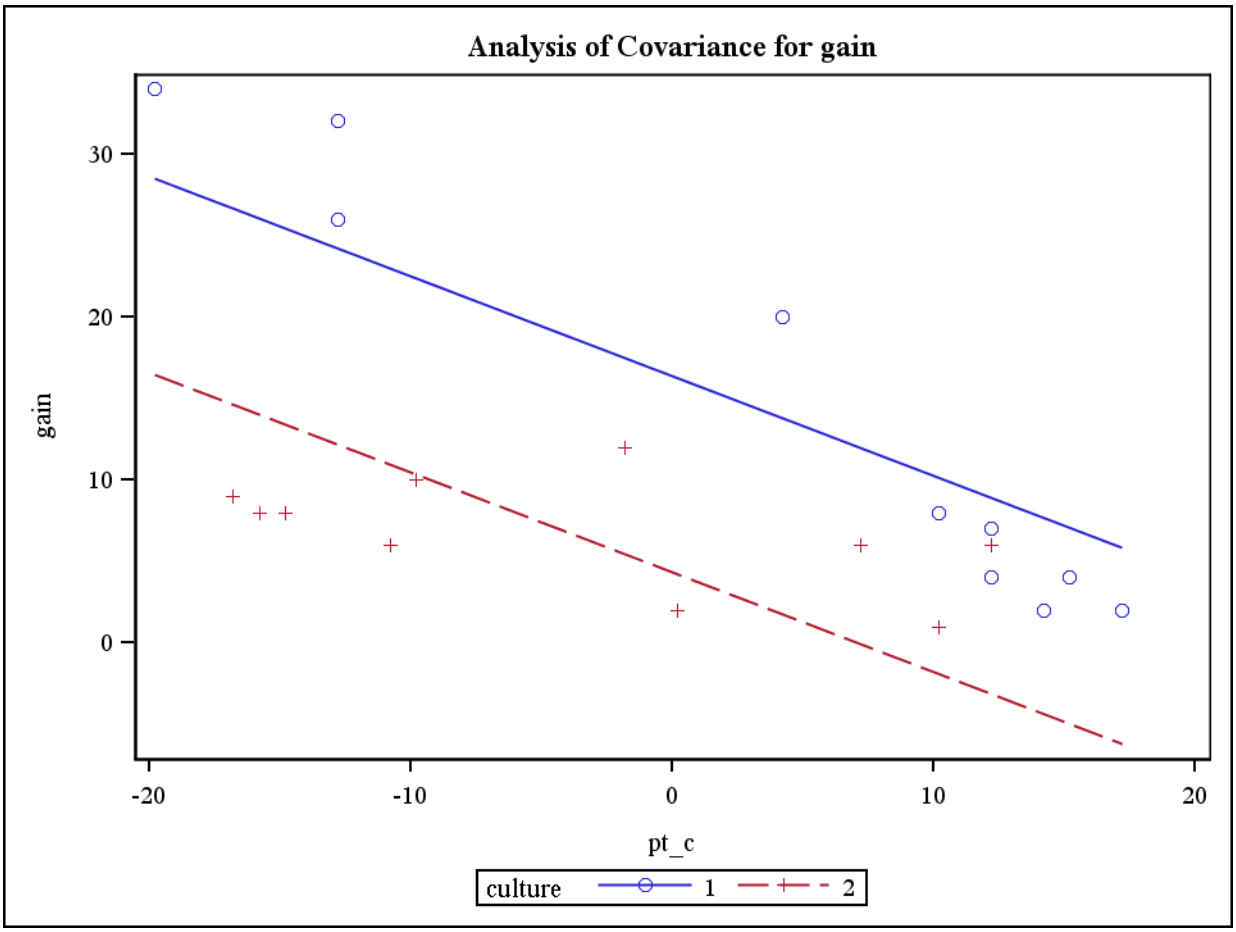
R-Square	Coeff Var	Root MSE	gain Mean
0.716582	53.40437	5.527353	10.35000

Source	DF	Type I SS	Mean Square	F Value	Pr > F
pt_c	1	665.6980632	665.6980632	21.79	0.0002
culture	1	647.4742978	647.4742978	21.19	0.0003

Source	DF	Type III SS	Mean Square	F Value	Pr > F
pt_c	1	1061.122361	1061.122361	34.73	<.0001
culture	1	647.474298	647.474298	21.19	0.0003

The GLM Procedure

Dependent Variable: gain



The GLM Procedure

culture=1

Number of Observations Read	10
Number of Observations Used	10

The SAS System

The GLM Procedure

Dependent Variable: gain

culture=1

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	1	1403.679574	1403.679574	153.36	<.0001
Error	8	73.220426	9.152553		
Corrected Total	9	1476.900000			

R-Square	Coeff Var	Root MSE	gain Mean
0.950423	21.76488	3.025319	13.90000

Source	DF	Type I SS	Mean Square	F Value	Pr > F
pt_c	1	1403.679574	1403.679574	153.36	<.0001

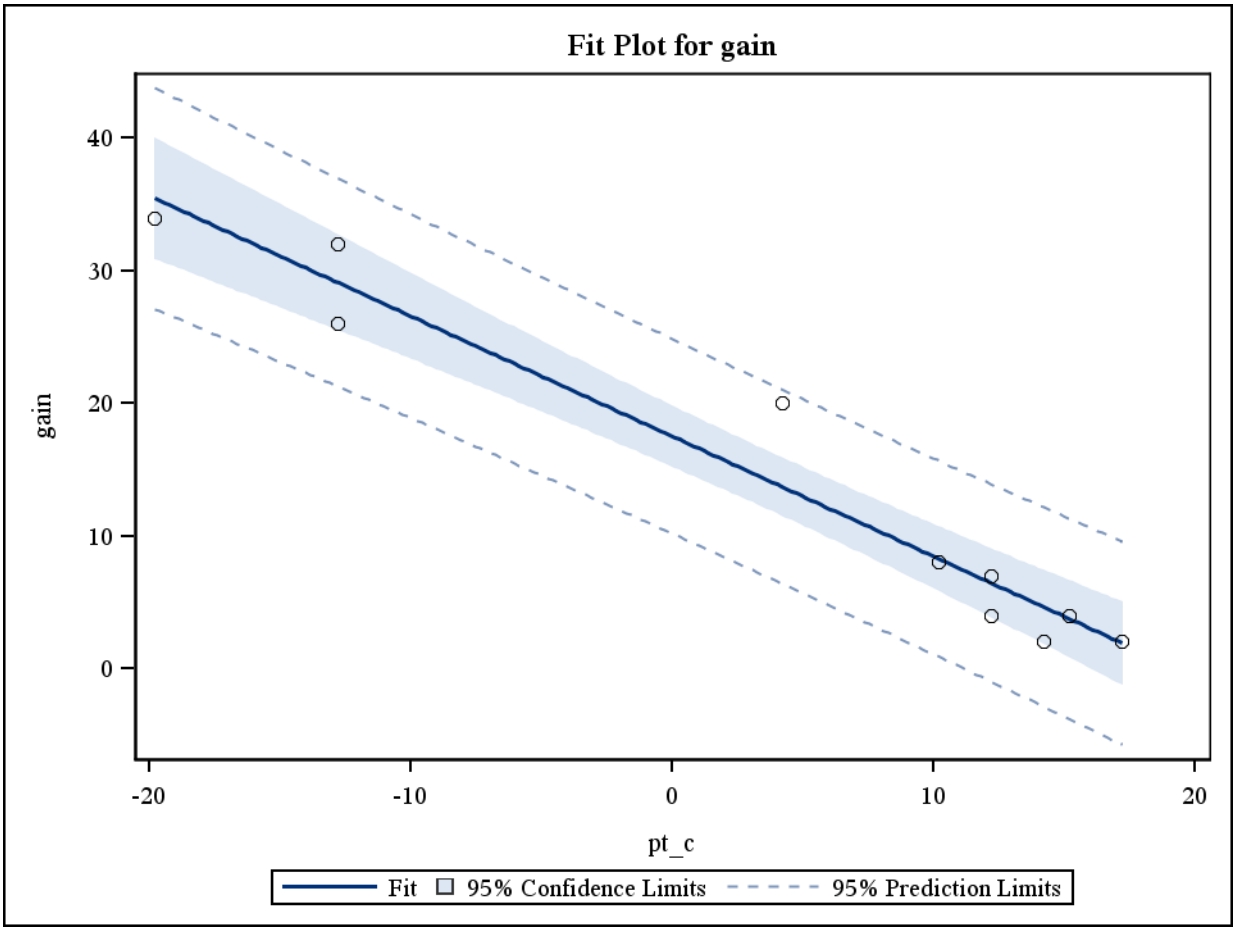
Source	DF	Type III SS	Mean Square	F Value	Pr > F
pt_c	1	1403.679574	1403.679574	153.36	<.0001

Parameter	Estimate	Standard Error	t Value	Pr > |t|
Intercept	17.52661045	1.00050668	17.52	<.0001
pt_c	-0.90665261	0.07321129	-12.38	<.0001

The GLM Procedure

Dependent Variable: gain

culture=1



The GLM Procedure

culture=2

Number of Observations Read	10
Number of Observations Used	10

The SAS System

The GLM Procedure

Dependent Variable: gain

culture=2

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	1	29.6023390	29.6023390	3.20	0.1114
Error	8	73.9976610	9.2497076		
Corrected Total	9	103.6000000			

R-Square	Coeff Var	Root MSE	gain Mean
0.285737	44.72549	3.041333	6.800000

Source	DF	Type I SS	Mean Square	F Value	Pr > F
pt_c	1	29.60233897	29.60233897	3.20	0.1114

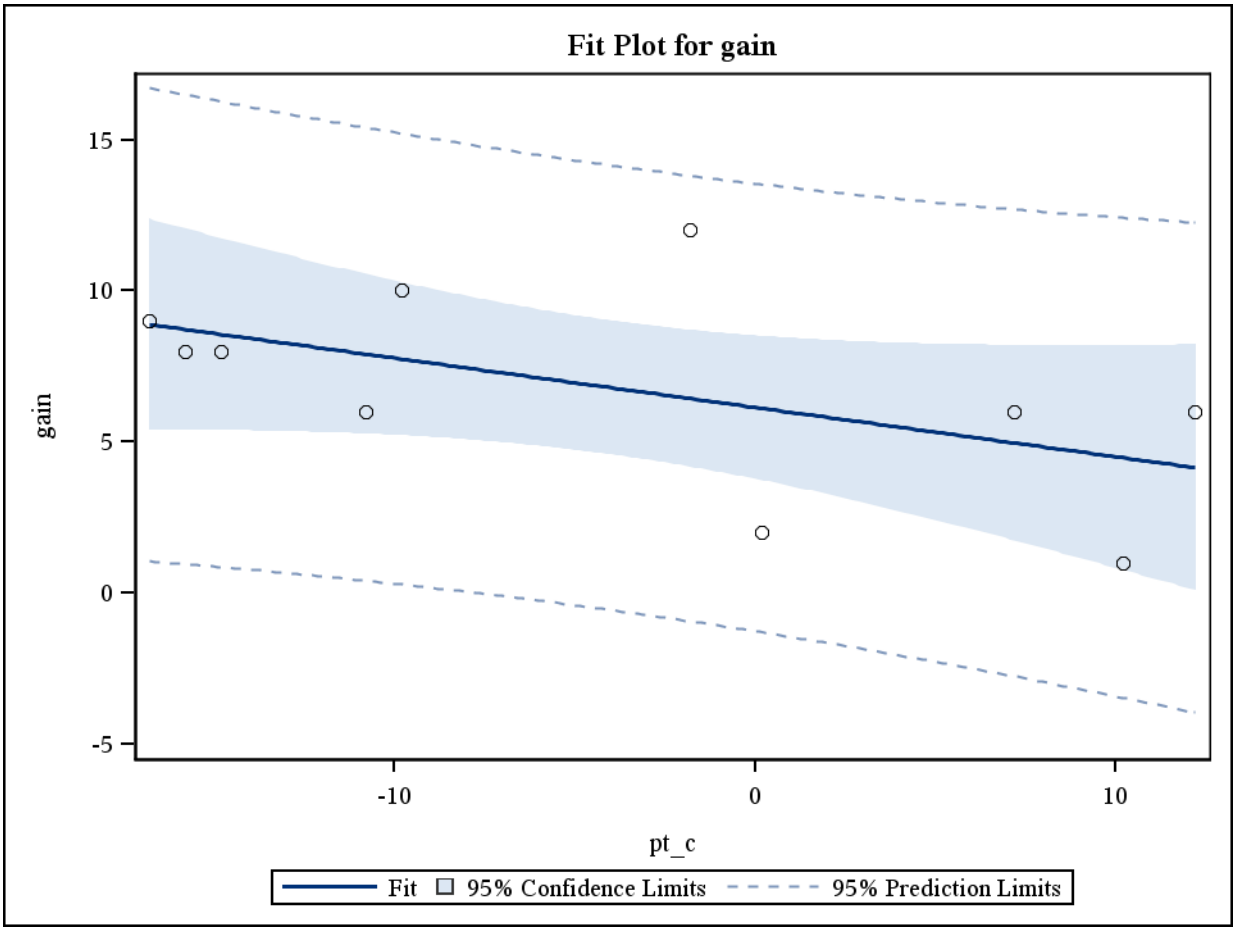
Source	DF	Type III SS	Mean Square	F Value	Pr > F
pt_c	1	29.60233897	29.60233897	3.20	0.1114

Parameter	Estimate	Standard Error	t Value	Pr > |t|
Intercept	6.147247211	1.02864375	5.98	0.0003
pt_c	-0.163188197	0.09121993	-1.79	0.1114

The GLM Procedure

Dependent Variable: gain

culture=2



The SAS System

The GLM Procedure

Class Level Information		
Class	**Levels**	**Values**
culture	2	1 2

Number of Observations Read	20
Number of Observations Used	20

Dependent Variable: gain

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	3	1685.331913	561.777304	61.06	<.0001
Error	16	147.218087	9.201130		
Corrected Total	19	1832.550000			

R-Square	Coeff Var	Root MSE	gain Mean
0.919665	29.30760	3.033337	10.35000

Source	DF	Type I SS	Mean Square	F Value	Pr > F
pt_c	1	665.6980632	665.6980632	72.35	<.0001
culture	1	647.4742978	647.4742978	70.37	<.0001
pt_c*culture	1	372.1595517	372.1595517	40.45	<.0001

Source	DF	Type III SS	Mean Square	F Value	Pr > F
pt_c	1	770.6321397	770.6321397	83.75	<.0001
culture	1	578.6908186	578.6908186	62.89	<.0001
pt_c*culture	1	372.1595517	372.1595517	40.45	<.0001

Parameter	Estimate		Standard Error	t Value	Pr > |t|
Intercept	6.14724721	B	1.02593911	5.99	<.0001
pt_c	-0.16318820	B	0.09098008	-1.79	0.0918
culture 1	11.37936324	B	1.43487893	7.93	<.0001
culture 2	0.00000000	B	.	.	.
pt_c*culture 1	-0.74346441	B	0.11690045	-6.36	<.0001
pt_c*culture 2	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.

The GLM Procedure

Dependent Variable: gain