

BUTTERFAT DATA: INTERACTION MODEL

Levene's Test of Equality of Error Variances^a

Dependent Variable: Butterfat (%)

F	df1	df2	Sig.
2.711	9	90	.008

Tests the null hypothesis that the error variance of the dependent variable is equal across groups.

a. Design: Intercept+age+breed+age * breed

BUTTERFAT DATA : INTERACTION MODEL

Tests of Between-Subjects Effects

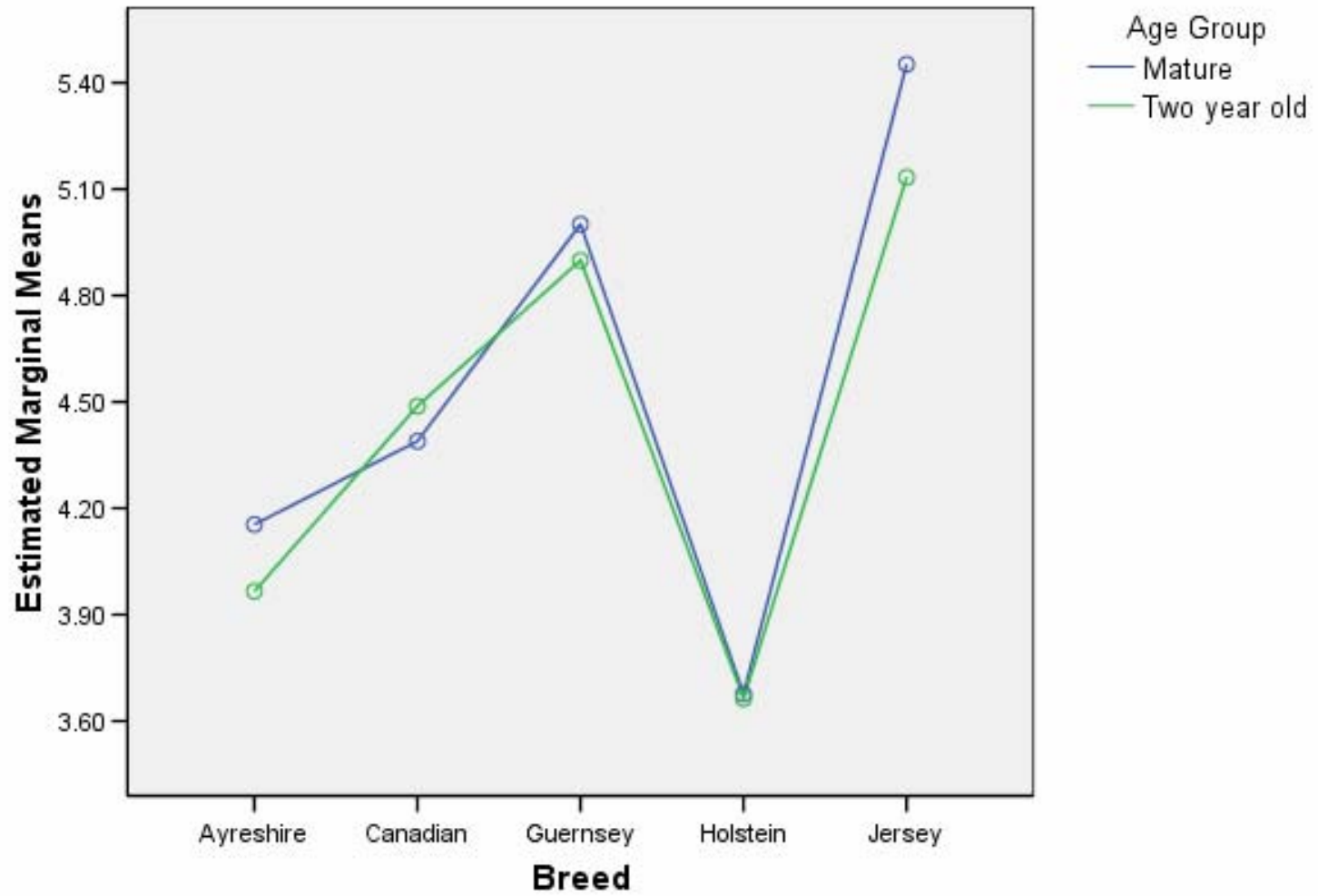
Dependent Variable: Butterfat (%)

Source	Type III Sum of Squares	df	Mean Square	F	Sig.
Corrected Model	35.109 ^a	9	3.901	22.534	.000
Intercept	2008.922	1	2008.922	11604.716	.000
age	.274	1	.274	1.580	.212
breed	34.321	4	8.580	49.565	.000
age * breed	.514	4	.128	.742	.566
Error	15.580	90	.173		
Total	2059.611	100			
Corrected Total	50.689	99			

a. R Squared = .693 (Adjusted R Squared = .662)

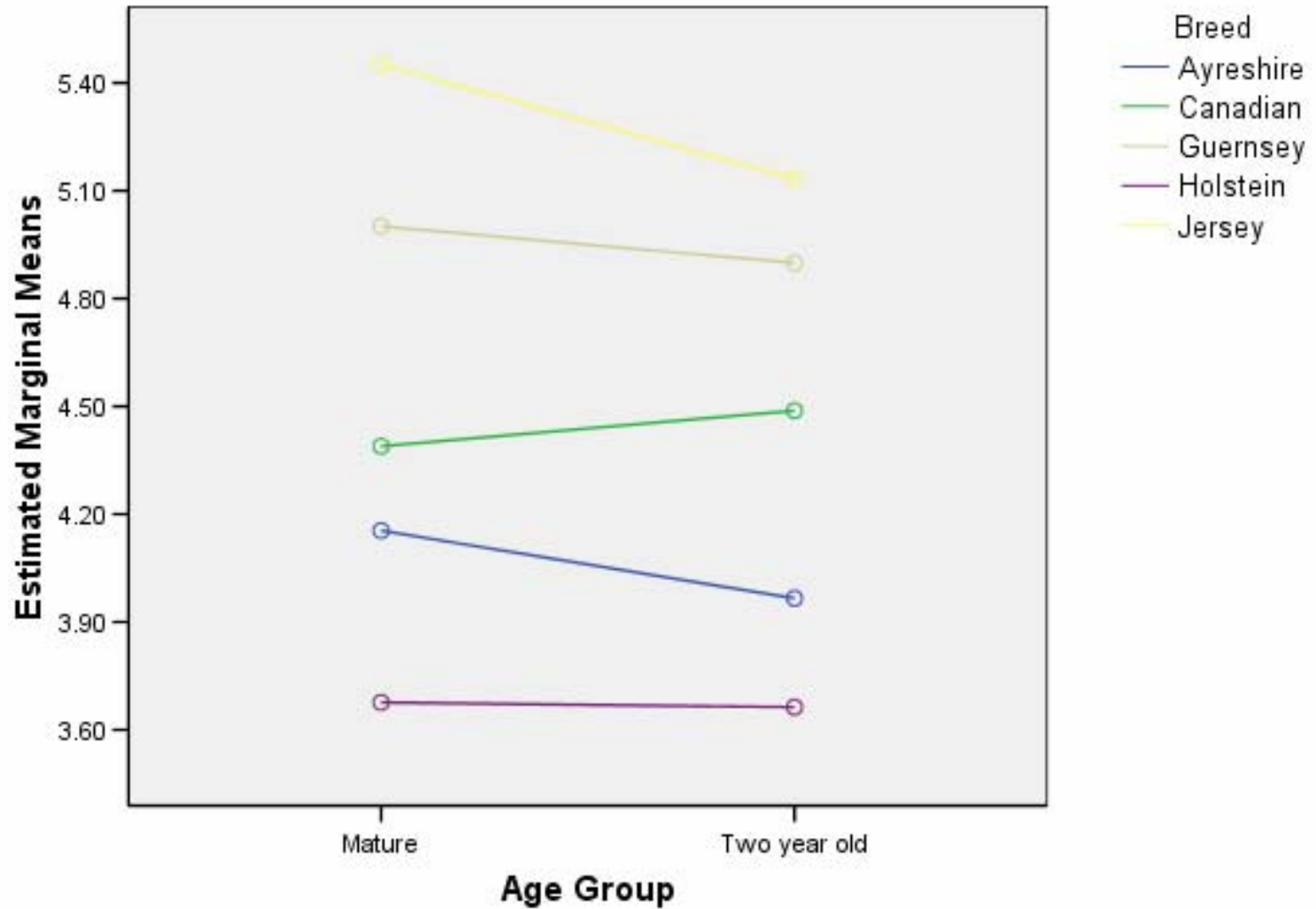
BUTTERFAT DATA: INTERACTION MODEL

Estimated Marginal Means of Butterfat (%)



BUTTERFAT DATA: INTERACTION MODEL

Estimated Marginal Means of Butterfat (%)



BUTTERFAT DATA: NO INTERACTION, NO AGE MODEL

Levene's Test of Equality of Error Variances

Dependent Variable: Butterfat (%)

F	df1	df2	Sig.
3.766	4	95	.007

Tests the null hypothesis that the error variance of the dependent variable is equal across groups.

a. Design: Intercept+breed

BUTTERFAT DATA: NO INTERACTION, NO AGE MODEL

Tests of Between-Subjects Effects

Dependent Variable: Butterfat (%)

Source	Type III Sum of Squares	df	Mean Square	F	Sig.
Corrected Model	34.321 ^a	4	8.580	49.802	.000
Intercept	2008.922	1	2008.922	11660.138	.000
breed	34.321	4	8.580	49.802	.000
Error	16.368	95	.172		
Total	2059.611	100			
Corrected Total	50.689	99			

a. R Squared = .677 (Adjusted R Squared = .664)

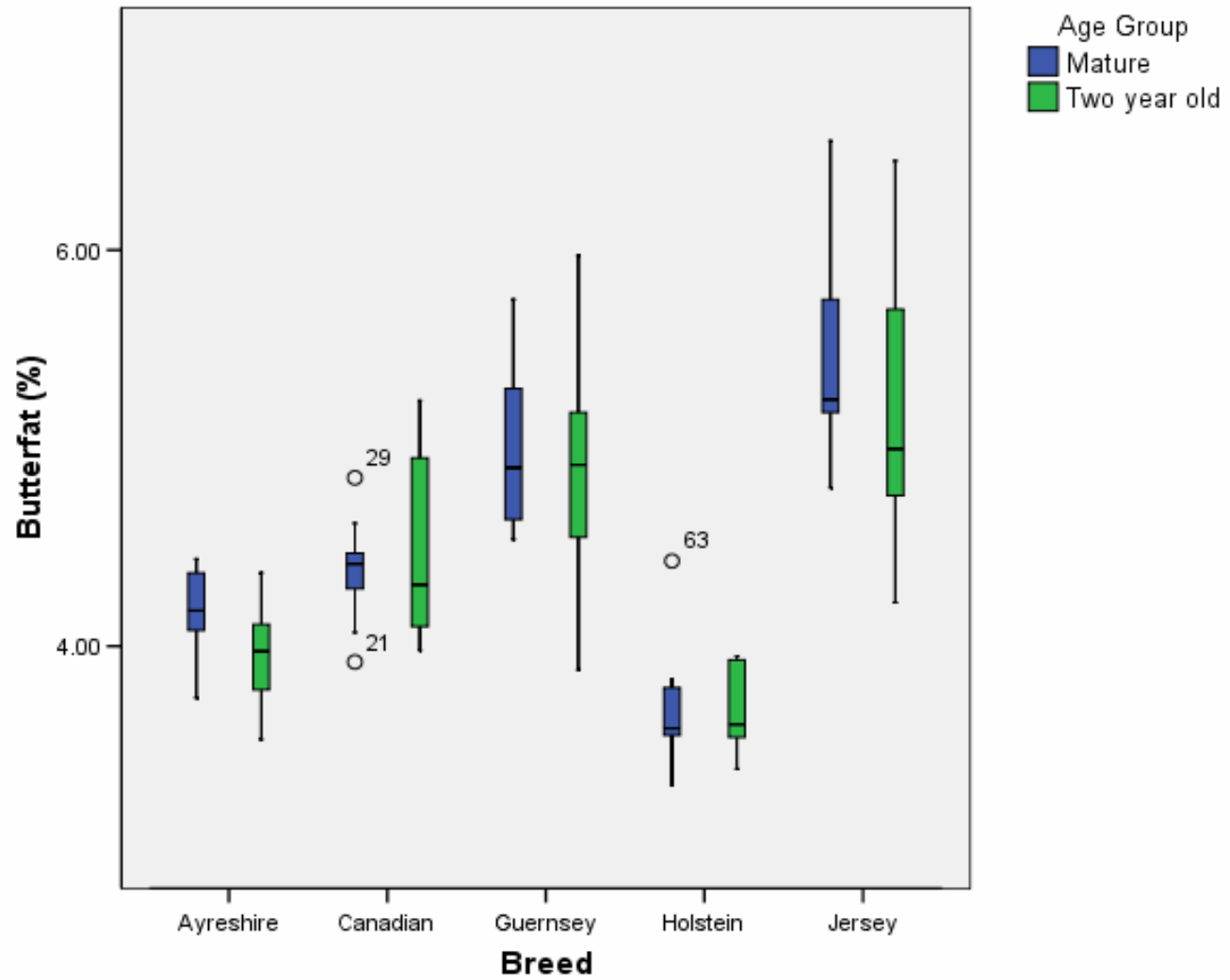
BUTTERFAT DATA: NO INTERACTION, NO AGE MODEL

Breed

Dependent Variable: Butterfat (%)

Breed	Mean	Std. Error	95% Confidence Interval	
			Lower Bound	Upper Bound
Ayreshire	4.060	.093	3.876	4.244
Canadian	4.439	.093	4.254	4.623
Guernsey	4.950	.093	4.766	5.134
Holstein	3.670	.093	3.485	3.854
Jersey	5.293	.093	5.108	5.477

BUTTERFAT DATA



LYRICS DATA: INTERACTION MODEL

Levene's Test of Equality of Error Variances^a

Dependent Variable: SCORE

F	df1	df2	Sig.
.329	3	56	.804

Tests the null hypothesis that the error variance of the dependent variable is equal across groups.

a. Design: Intercept+SONG+POOL+SONG * POOL

LYRICS DATA: INTERACTION MODEL

Tests of Between-Subjects Effects

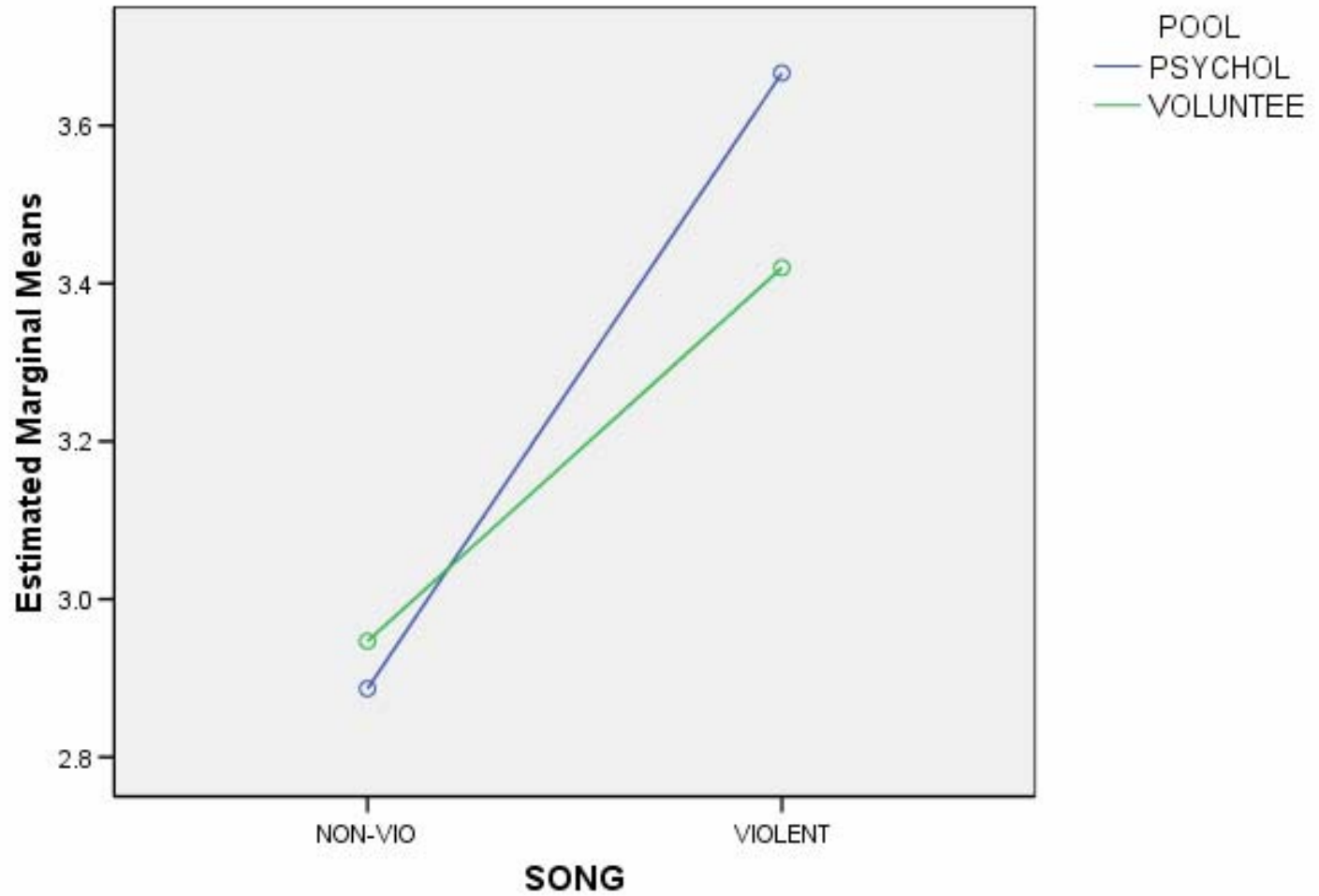
Dependent Variable: SCORE

Source	Type III Sum of Squares	df	Mean Square	F	Sig.
Corrected Model	6.374 ^a	3	2.125	9.419	.000
Intercept	625.974	1	625.974	2775.059	.000
SONG	5.891	1	5.891	26.114	.000
POOL	.131	1	.131	.579	.450
SONG * POOL	.353	1	.353	1.563	.216
Error	12.632	56	.226		
Total	644.980	60			
Corrected Total	19.006	59			

a. R Squared = .335 (Adjusted R Squared = .300)

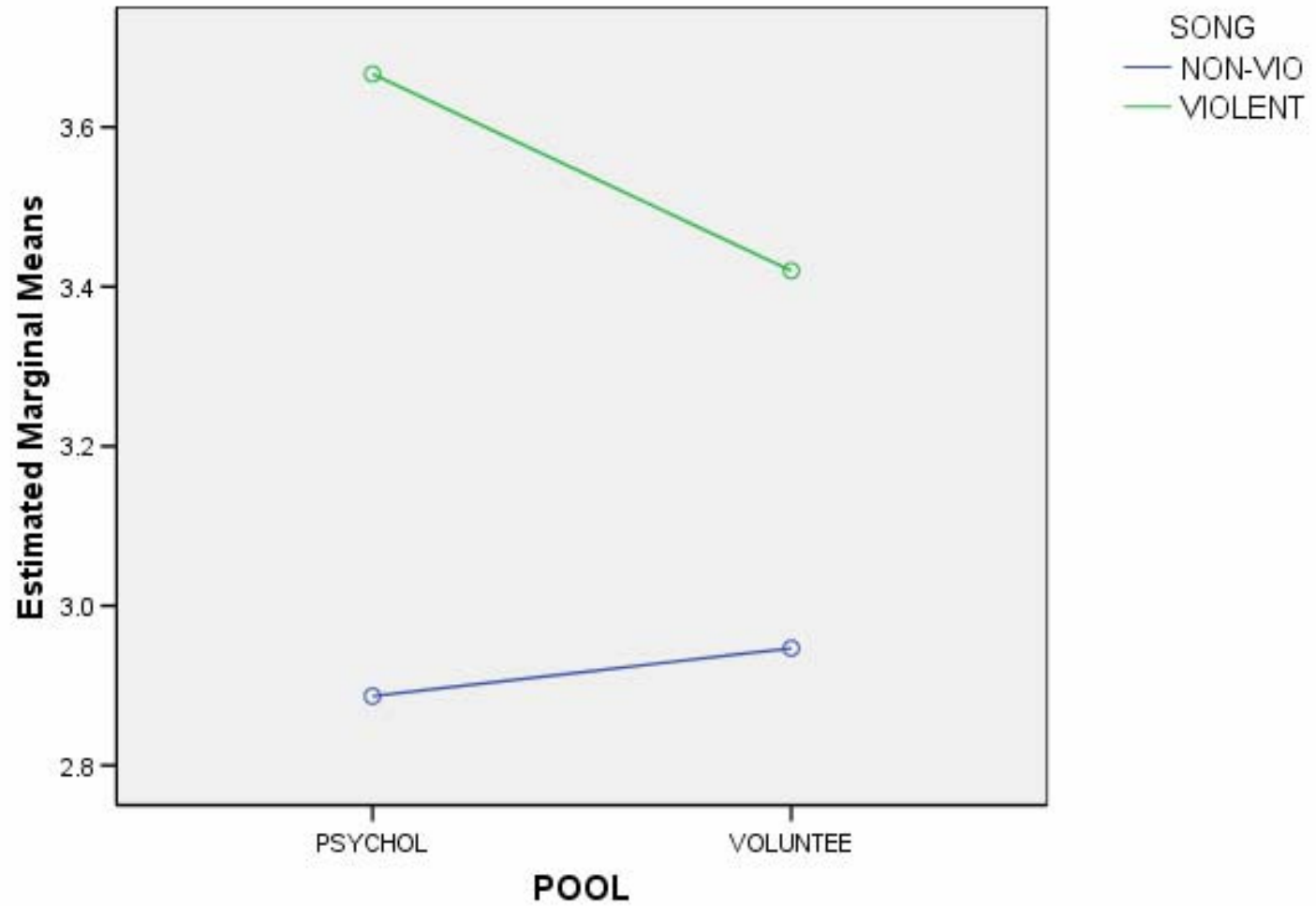
LYRICS DATA: INTERACTION MODEL

Estimated Marginal Means of SCORE



LYRICS DATA: INTERACTION MODEL

Estimated Marginal Means of SCORE



LYRICS DATA: INTERACTION MODEL

Levene's Test of Equality of Error Variances^a

Dependent Variable: SCORE

F	df1	df2	Sig.
.236	3	56	.871

Tests the null hypothesis that the error variance of the dependent variable is equal across groups.

a. Design: Intercept+SONG+POOL

LYRICS DATA: NO INTERACTION MODEL

Tests of Between-Subjects Effects

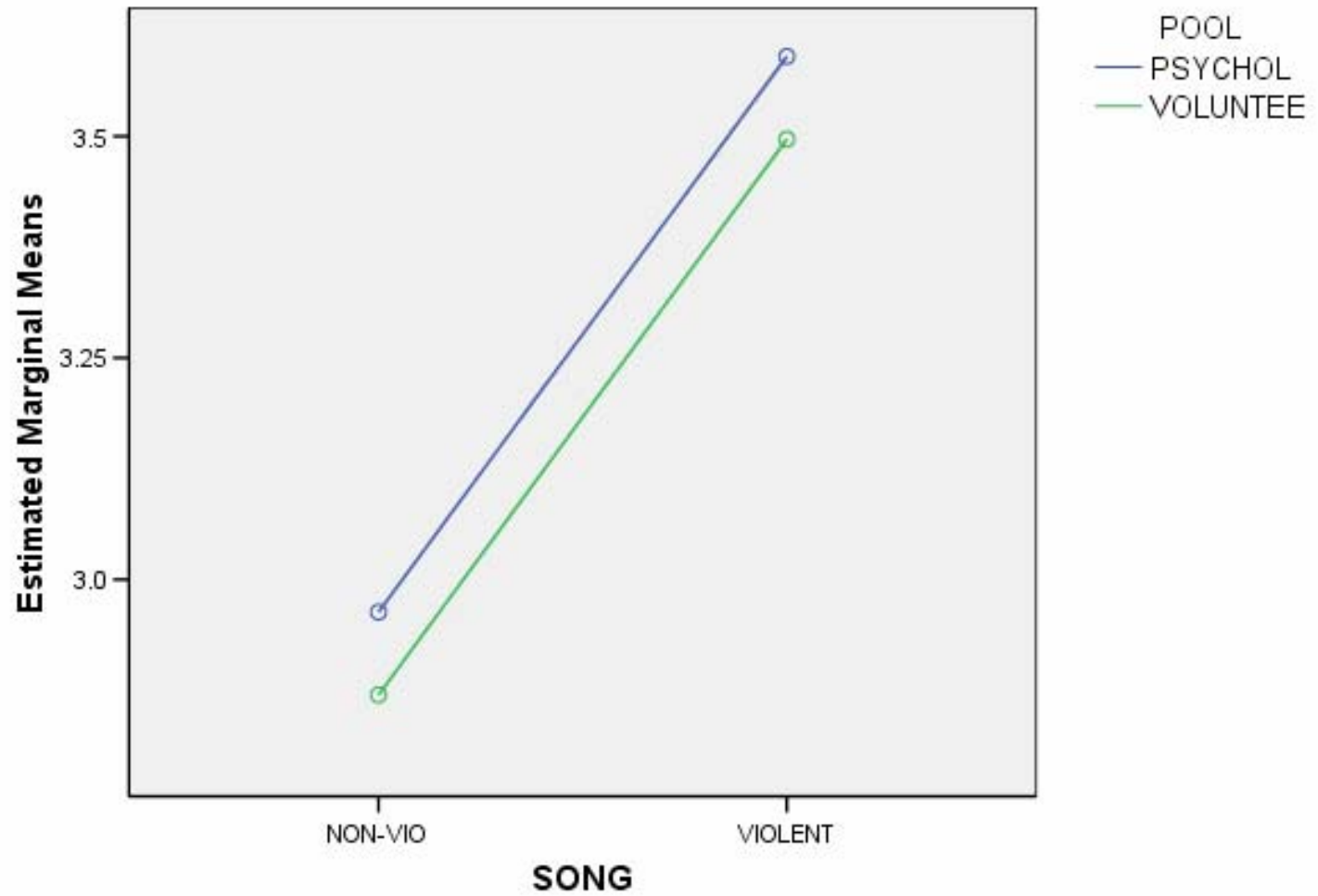
Dependent Variable: SCORE

Source	Type III Sum of Squares	df	Mean Square	F	Sig.
Corrected Model	6.021 ^a	2	3.011	13.216	.000
Intercept	625.974	1	625.974	2747.896	.000
SONG	5.891	1	5.891	25.859	.000
POOL	.131	1	.131	.574	.452
Error	12.985	57	.228		
Total	644.980	60			
Corrected Total	19.006	59			

a. R Squared = .317 (Adjusted R Squared = .293)

LYRICS DATA: NO INTERACTION MODEL

Estimated Marginal Means of SCORE



LYRICS DATA: NO INTERACTION, NO POOL MODEL

Levene's Test of Equality of Error Variances^a

Dependent Variable: SCORE

F	df1	df2	Sig.
.017	1	58	.897

Tests the null hypothesis that the error variance of the dependent variable is equal across groups.

a. Design: Intercept+SONG

LYRICS DATA: NO INTERACTION, NO POOL MODEL

Tests of Between-Subjects Effects

Dependent Variable: SCORE

Source	Type III Sum of Squares	df	Mean Square	F	Sig.
Corrected Model	5.891 ^a	1	5.891	26.050	.000
Intercept	625.974	1	625.974	2768.248	.000
SONG	5.891	1	5.891	26.050	.000
Error	13.115	58	.226		
Total	644.980	60			
Corrected Total	19.006	59			

a. R Squared = .310 (Adjusted R Squared = .298)

GRAVEL DATA: INTERACTION MODEL

Levene's Test of Equality of Error Variances

Dependent Variable: amount

F	df1	df2	Sig.
.248	7	32	.969

Tests the null hypothesis that the error variance of the dependent variable is equal across groups.

a. Design: Intercept+shift+quarry+shift * quarry

GRAVEL DATA: INTERACTION MODEL

Tests of Between-Subjects Effects

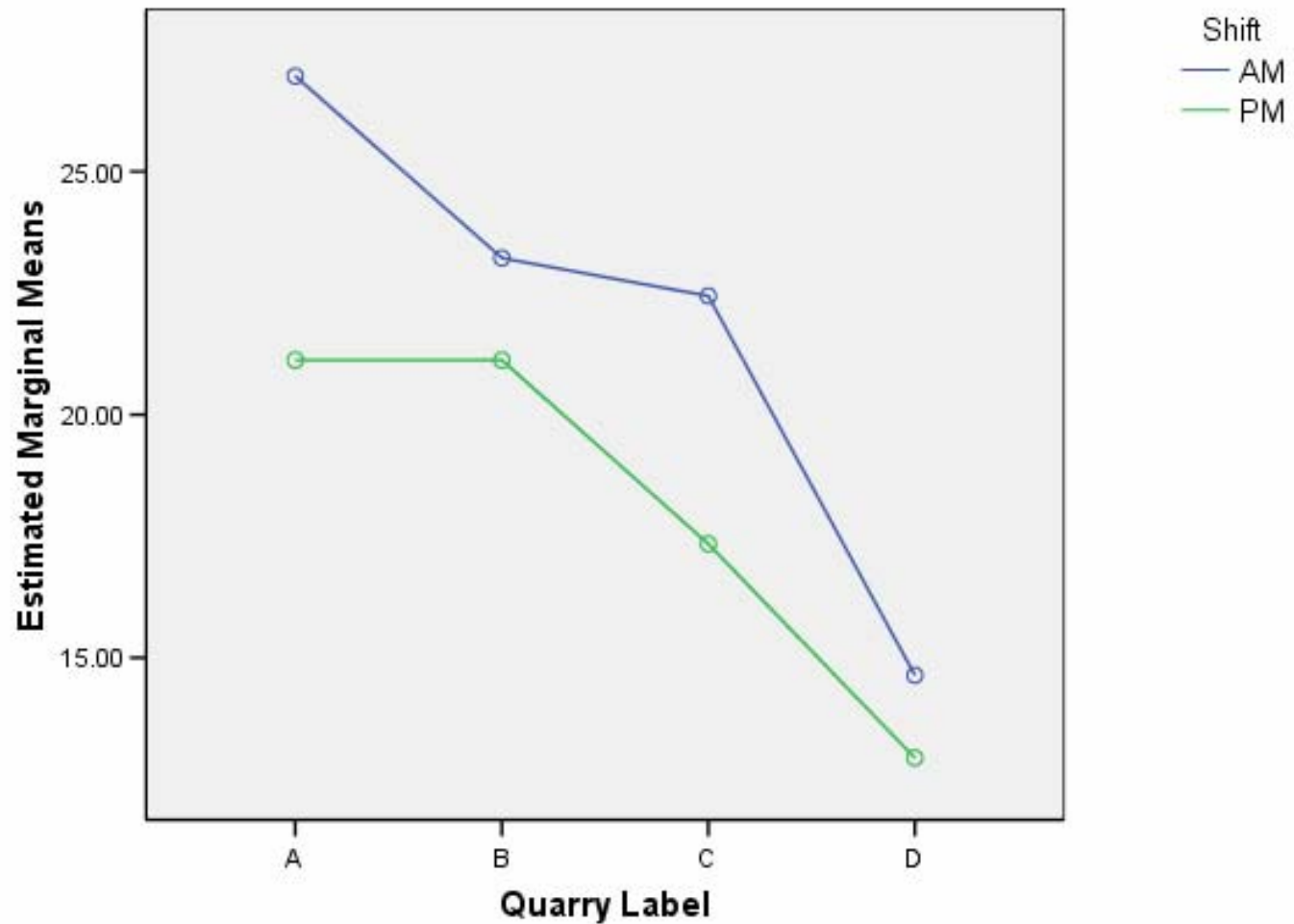
Dependent Variable: amount

Source	Type III Sum of Squares	df	Mean Square	F	Sig.
Corrected Model	764.576 ^a	7	109.225	10.993	.000
Intercept	15956.030	1	15956.030	1605.921	.000
shift	135.792	1	135.792	13.667	.001
quarry	596.037	3	198.679	19.996	.000
shift * quarry	32.747	3	10.916	1.099	.364
Error	317.944	32	9.936		
Total	17038.550	40			
Corrected Total	1082.520	39			

a. R Squared = .706 (Adjusted R Squared = .642)

GRAVEL DATA: INTERACTION MODEL

Estimated Marginal Means of amount



GRAVEL DATA: NO INTERACTION MODEL

Levene's Test of Equality of Error Variances

Dependent Variable: amount

F	df1	df2	Sig.
.199	7	32	.983

Tests the null hypothesis that the error variance of the dependent variable is equal across groups.

a. Design: Intercept+shift+quarry

GRAVEL DATA: NO INTERACTION MODEL

Tests of Between-Subjects Effects

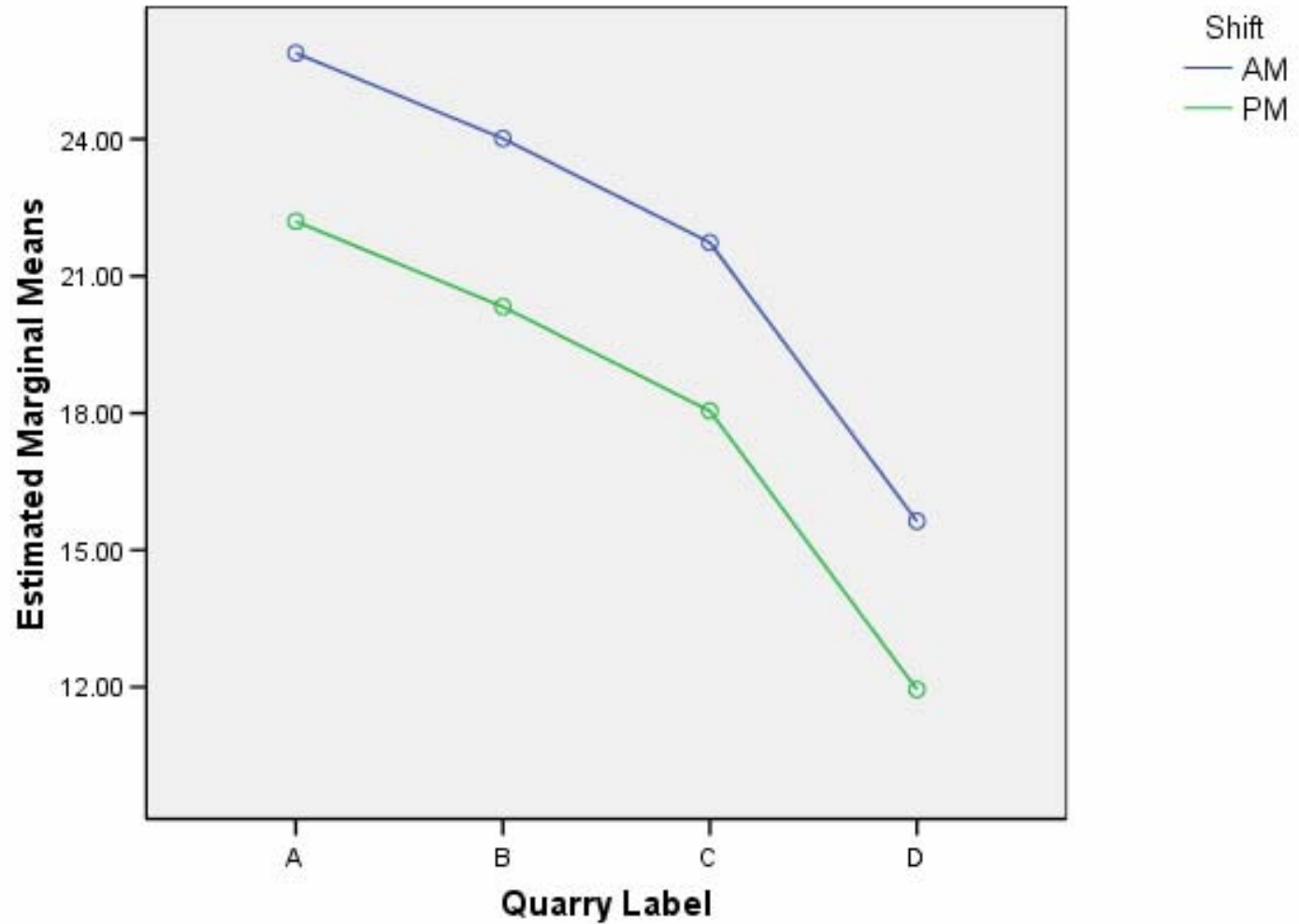
Dependent Variable: amount

Source	Type III Sum of Squares	df	Mean Square	F	Sig.
Corrected Model	731.829 ^a	4	182.957	18.260	.000
Intercept	15956.030	1	15956.030	1592.460	.000
shift	135.792	1	135.792	13.552	.001
quarry	596.037	3	198.679	19.829	.000
Error	350.691	35	10.020		
Total	17038.550	40			
Corrected Total	1082.520	39			

a. R Squared = .676 (Adjusted R Squared = .639)

GRAVEL DATA: NO INTERACTION MODEL

Estimated Marginal Means of amount



GRAVEL DATA: NO INTERACTION MODEL

