

Effects of Gender and Social Media Usage on Loneliness in College Students

Descriptive statistics

Descriptive Statistics

	N	Minimum	Maximum	Mean	Std. Deviation
lonliness	60	20	77	47.60	16.490
Valid N (listwise)	60				

Means

lonliness * 1 = Low, 2 = Moderate, 3 = High

lonliness

1 = Low, 2 = Moderate, 3 = High

	Mean	Std. Deviation
1	30.25	6.843
2	46.00	8.137
3	66.55	5.808
Total	47.60	16.490

lonliness * 0 = Female, 1 = Male

lonliness

0 = Female, 1 = Male

	Mean	Std. Deviation
0	43.77	16.435
1	51.43	15.896
Total	47.60	16.490

Between-Subjects Factors

		N
1 = Low, 2 = Moderate, 3 = High	1	20
	2	20
	3	20
0 = Female, 1 = Male	0	30
	1	30

Descriptive Statistics

Dependent Variable: lonliness

1 = Low, 2 = Moderate, 3 = High

	0 = Female, 1 = Male	Mean	Std. Deviation	N
1	0	26.00	5.270	10
	1	34.50	5.563	10
	Total	30.25	6.843	20
2	0	42.10	7.203	10
	1	49.90	7.355	10
	Total	46.00	8.137	20
3	0	63.20	4.158	10
	1	69.90	5.384	10
	Total	66.55	5.808	20
Total	0	43.77	16.435	30
	1	51.43	15.896	30
	Total	47.60	16.490	60

Univariate Analysis of Variance (Two Way ANOVA)

Levene's Test of Equality of Error Variances^{a,b}

		Levene Statistic	df1	df2	Sig.
lonliness	Based on Mean	1.219	5	54	.313
	Based on Median	.676	5	54	.643
	Based on Median and with adjusted df	.676	5	35.100	.644
	Based on trimmed mean	1.179	5	54	.332

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

a. Dependent variable: lonliness

b. Design: Intercept + SocialmediaUse + Gender + SocialmediaUse * Gender

Tests of Between-Subjects Effects

Dependent Variable: lonliness

Source	Type III Sum of Squares	df	Mean Square	F	Sig.
Corrected Model	14143.600 ^a	5	2828.720	80.446	<.001
Intercept	135945.600	1	135945.600	3866.159	<.001
SocialmediaUse	13253.700	2	6626.850	188.461	<.001
Gender	881.667	1	881.667	25.074	<.001
SocialmediaUse * Gender	8.233	2	4.117	.117	.890
Error	1898.800	54	35.163		
Total	151988.000	60			
Corrected Total	16042.400	59			

a. R Squared = .882 (Adjusted R Squared = .871)

Estimated Marginal Means

Grand Mean

Dependent Variable: lonliness

Mean	Std. Error	95% Confidence Interval	
		Lower Bound	Upper Bound
47.600	.766	46.065	49.135

GGraph

Explore

1 = Low, 2 = Moderate, 3 = High

1 = Low, 2 = Moderate, 3 = High*0 = Female, 1 = Male

lonliness

