

T-Test

Paired Samples Statistics

		Mean	N	Std. Deviation	Std. Error Mean
Pair 1	Pre	3.9333	30	2.03306	.37118
	Post	4.8333	30	2.21411	.40424

Paired Samples Correlations

		N	Correlation	Significance	
				One-Sided p	Two-Sided p
Pair 1	Pre & Post	30	.863	<.001	<.001

Paired Samples Test

		Paired Differences				
		Mean	Std. Deviation	Std. Error Mean	95% Confidence Interval of the Difference	
					Lower	Upper
Pair 1	Pre - Post	-.90000	1.12495	.20539	-1.32006	-.47994

Paired Samples Test

		t	df	Significance	
				One-Sided p	Two-Sided p
Pair 1	Pre - Post	-4.382	29	<.001	<.001

Paired Samples Effect Sizes

		Standardizer ^a	Point Estimate	95% Confidence Interval	
				Lower	Upper
Pair 1	Pre - Post	Cohen's d	1.12495	-.800	-.382
		Hedges' correction	1.15513	-.779	-.372

a. The denominator used in estimating the effect sizes.

Cohen's d uses the sample standard deviation of the mean difference.

Hedges' correction uses the sample standard deviation of the mean difference, plus a correction factor.

Univariate Analysis of Variance

Between-Subjects Factors

N		
Group	1.00	15
	2.00	15

Descriptive Statistics

Dependent Variable: Difference

Group	Mean	Std. Deviation	N
1.00	.4667	.74322	15
2.00	1.3333	1.29099	15
Total	.9000	1.12495	30

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

		Levene Statistic	df1	df2	Sig.
Difference	Based on Mean	4.964	1	28	.034
	Based on Median	2.154	1	28	.153
	Based on Median and with adjusted df	2.154	1	25.937	.154
	Based on trimmed mean	5.280	1	28	.029

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

a. Dependent variable: Difference

b. Design: Intercept + Group

Tests of Between-Subjects Effects

Dependent Variable: Difference

Source	Type III Sum of Squares	df	Mean Square	F	Sig.	Partial Eta Squared
Corrected Model	5.633 ^a	1	5.633	5.077	.032	.153
Intercept	24.300	1	24.300	21.901	<.001	.439
Group	5.633	1	5.633	5.077	.032	.153
Error	31.067	28	1.110			
Total	61.000	30				
Corrected Total	36.700	29				

Tests of Between-Subjects Effects

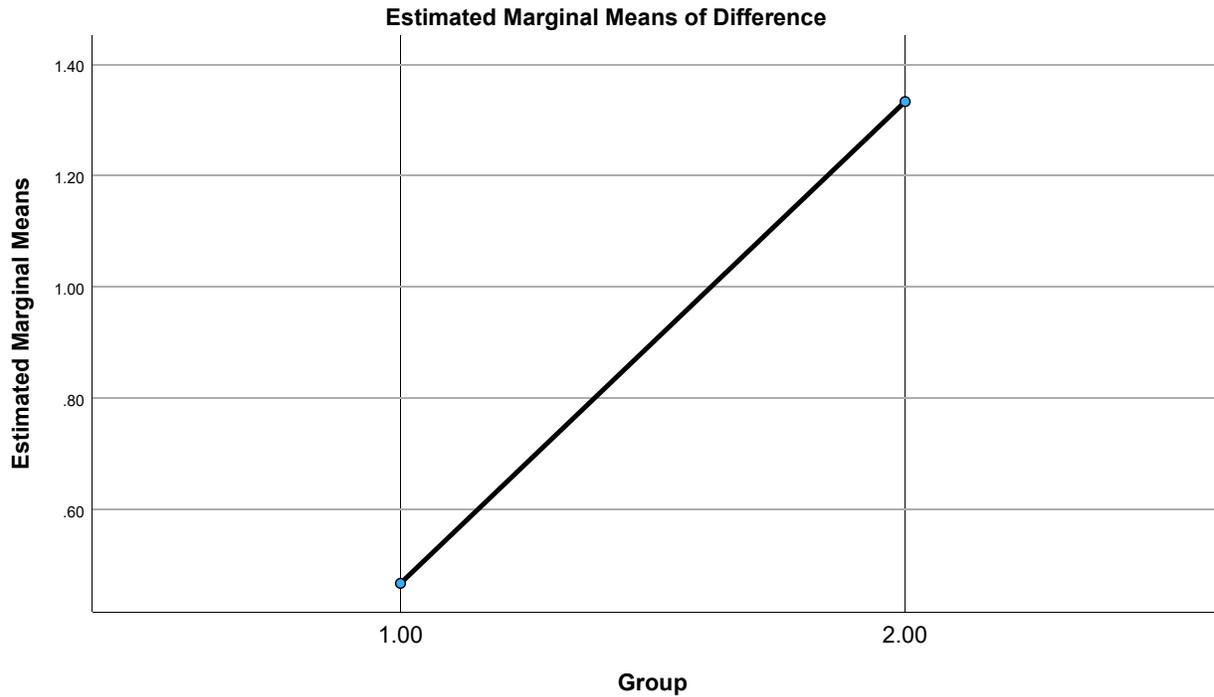
Dependent Variable: Difference

Source	Noncent. Parameter	Observed Power ^b
Corrected Model	5.077	.585
Intercept	21.901	.995
Group	5.077	.585
Error		
Total		
Corrected Total		

a. R Squared = .153 (Adjusted R Squared = .123)

b. Computed using alpha = .05

Profile Plots



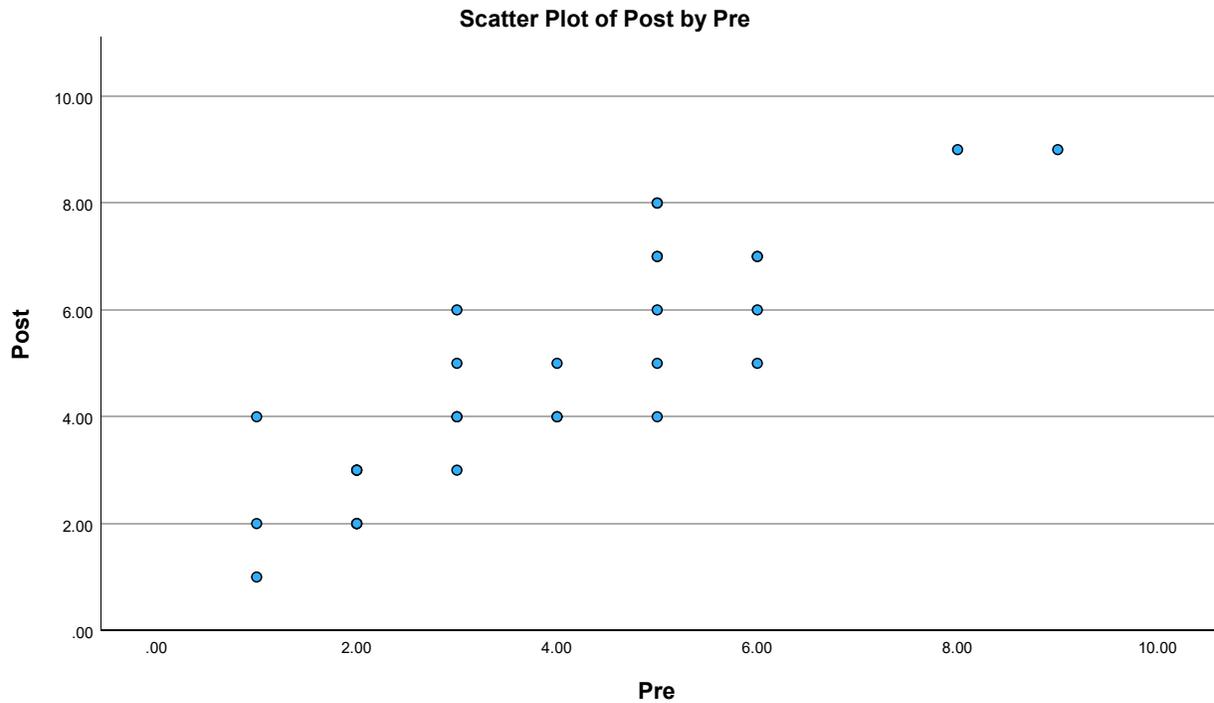
Correlations

Correlations

		Pre	Post
Pre	Pearson Correlation	1	.863**
	Sig. (2-tailed)		<.001
	N	30	30
Post	Pearson Correlation	.863**	1
	Sig. (2-tailed)	<.001	
	N	30	30

** . Correlation is significant at the 0.01 level (2-tailed).

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T-Test

Group Statistics

	Group	N	Mean	Std. Deviation	Std. Error Mean
Pre	1.00	15	3.5333	2.06559	.53333
	2.00	15	4.3333	1.98806	.51331
Post	1.00	15	4.0000	2.13809	.55205
	2.00	15	5.6667	2.02367	.52251

Independent Samples Test

		Levene's Test for Equality of Variances		t-test for Equality of Means	
		F	Sig.	t	df
Pre	Equal variances assumed	.216	.645	-1.081	28
	Equal variances not assumed			-1.081	27.959
Post	Equal variances assumed	.063	.804	-2.193	28
	Equal variances not assumed			-2.193	27.916

Independent Samples Test

		t-test for Equality of Means			
		Significance		Mean Difference	Std. Error Difference
		One-Sided p	Two-Sided p		
Pre	Equal variances assumed	.145	.289	-.80000	.74023
	Equal variances not assumed	.145	.289	-.80000	.74023
Post	Equal variances assumed	.018	.037	-1.66667	.76012
	Equal variances not assumed	.018	.037	-1.66667	.76012

Independent Samples Test

		t-test for Equality of Means	
		95% Confidence Interval of the Difference	
		Lower	Upper
Pre	Equal variances assumed	-2.31629	.71629
	Equal variances not assumed	-2.31639	.71639
Post	Equal variances assumed	-3.22370	-.10964
	Equal variances not assumed	-3.22391	-.10943

Independent Samples Effect Sizes

		Standardizer ^a	Point Estimate	95% Confidence Interval	
				Lower	Upper
Pre	Cohen's d	2.02720	-.395	-1.114	.332
	Hedges' correction	2.08359	-.384	-1.084	.323
	Glass's delta	1.98806	-.402	-1.126	.335
Post	Cohen's d	2.08167	-.801	-1.540	-.049
	Hedges' correction	2.13958	-.779	-1.498	-.047
	Glass's delta	2.02367	-.824	-1.588	-.034

- a. The denominator used in estimating the effect sizes.
 Cohen's d uses the pooled standard deviation.
 Hedges' correction uses the pooled standard deviation, plus a correction factor.
 Glass's delta uses the sample standard deviation of the control group.