



HYPOTHESES

Main Effect: Within-Subject Factor:

 $H_0: \mu_1 = \mu_2$ $H_1: \mu_1 \neq \mu_2$

Main Effect: Between-Subject Factor:

 H_0 : $\mu_1 = \mu_2 = \mu_3 = \mu_4 = \mu_5$ H_1 : At least one group mean is not equal

with others.

Interaction Effect

 H_0 : The effect of intervention does not depend on the effect of PrePost.

 H_1 : The effect of intervention depends on the effect of PrePost.



COMPARISON TEST

Tests of Within-Subjects Contrasts

Measure: MEASURE_1

Source	PrePost	Type III Sum of Squares	df	Mean Square	F	Sig.
PrePost	Linear	99.199	1	99.199	48.080	<.001
PrePost * Instructor	Linear	17.596	4	4.399	2.132	.091
Error(PrePost)	Linear	103.160	50	2.063		

A Repeated Measure Two-way ANOVA with Instructor as a between-subject factor and PrePost as a within-subjects factor was run.

Tests of Between-Subjects Effects

Measure: MEASURE_1

Transformed Variable: Average

Source	Type III Sum of Squares	df	Mean Square	F	Sig.
Intercept	7487.535	1	7487.535	573.213	<.001
Instructor	3.636E-6	4	9.091E-7	.000	1.000
Error	653.120	50	13.062		

*Note: The Sphericity Assumption is not violated (Mauchly's W (0)=1).

Main Effect: Within-Subject Factor:

F(1, 50) = 48.08, p < .001

 H_0 : $\mu_1 = \mu_2$

 H_1 : $\mu_1 \neq \mu_2$

Main Effect: Between-Subject Factor:

F(4, 50) = 0.00, p = 1

 H_0 : $\mu_1 = \mu_2 = \mu_3 = \mu_4 = \mu_5$

 H_1 : At least one group mean is not equal with others.

Interaction Effect

F(4, 50) = 2.132, p = .091

 H_0 : The effect of intervention does not depend on the effect of PrePost

 H_1 : The effect of intervention depends on the effect of PrePost



