

Univariate Analysis of Variance

Between-Subjects Factors

		N
TUTOR	BC	26
	FC	26

Descriptive Statistics

Dependent Variable: POSTTEST

TUTOR	Mean	Std. Deviation	N
BC	.559544	.2039039	26
FC	.705265	.2576926	26
Total	.632404	.2415475	52

Tests of Between-Subjects Effects

Dependent Variable: POSTTEST

Source	Type III Sum of Squares	df	Mean Square	F	Sig.
Corrected Model	1.405 ^a	7	.201	5.622	.000
Intercept	1.481	1	1.481	41.482	.000
TUTOR	.186	1	.186	5.211	.027
ITEM201	.085	1	.085	2.378	.130
PRETEST	.256	1	.256	7.161	.010
TUTOR * ITEM201	.067	1	.067	1.889	.176
TUTOR * PRETEST	.058	1	.058	1.629	.209
ITEM201 * PRETEST	.014	1	.014	.392	.535
TUTOR * ITEM201 * PRETEST	.036	1	.036	1.009	.321
Error	1.571	44	.036		
Total	23.772	52			
Corrected Total	2.976	51			

a. R Squared = .472 (Adjusted R Squared = .388)

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FC	.705265	.2576926	26
Total	.632404	.2415475	52

Tests of Between-Subjects Effects

Dependent Variable: POSTTEST

Source	Type III Sum of Squares	df	Mean Square	F	Sig.
Corrected Model	1.369 ^a	6	.228	6.389	.000
Intercept	1.499	1	1.499	41.988	.000
TUTOR	.173	1	.173	4.847	.033
ITEM201	.103	1	.103	2.885	.096
PRETEST	.223	1	.223	6.253	.016
TUTOR * ITEM201	.036	1	.036	1.011	.320
TUTOR * PRETEST	.022	1	.022	.622	.435
ITEM201 * PRETEST	.005	1	.005	.126	.724
Error	1.607	45	.036		
Total	23.772	52			
Corrected Total	2.976	51			

a. R Squared = .460 (Adjusted R Squared = .388)

ANCOVA: Pretest and Item2 as covariates (ITEM201: A = 0, B = 1)

Between-Subjects Factors

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TUTOR BC	26
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Descriptive Statistics

Dependent Variable: POSTTEST

TUTOR	Mean	Std. Deviation	N
BC	.559544	.2039039	26
FC	.705265	.2576926	26
Total	.632404	.2415475	52

Tests of Between-Subjects Effects

Dependent Variable: POSTTEST

Source	Type III Sum of Squares	df	Mean Square	F	Sig.	Partial Eta Squared
Corrected Model	1.259 ^b	3	.420	11.740	.000	.423
Intercept	3.227	1	3.227	90.263	.000	.653
PRETEST	.650	1	.650	18.168	.000	.275
ITEM201	.642	1	.642	17.947	.000	.272
TUTOR	.178	1	.178	4.982	.030	.094
Error	1.716	48	.036			
Total	23.772	52				
Corrected Total	2.976	51				

Tests of Between-Subjects Effects

Dependent Variable: POSTTEST

Source	Noncent. Parameter	Observed Power ^a
Corrected Model	35.220	.999
Intercept	90.263	1.000
PRETEST	18.168	.987
ITEM201	17.947	.986
TUTOR	4.982	.590
Error		
Total		
Corrected Total		

a. Computed using alpha = .05

b. R Squared = .423 (Adjusted R Squared = .387)

Parameter Estimates

Dependent Variable: POSTTEST

Parameter	B	Std. Error	t	Sig.	95% Confidence Interval		Partial Eta Squared
					Lower Bound	Upper Bound	
Intercept	.592	.064	9.223	.000	.463	.721	.639
PRETEST	.516	.121	4.262	.000	.273	.759	.275
ITEM201	-.234	.055	-4.236	.000	-.345	-.123	.272
[TUTOR=BC]	-.118	.053	-2.232	.030	-.224	-.012	.094
[TUTOR=FC]	0 ^b

Parameter Estimates

Dependent Variable: POSTTEST

Parameter	Noncent. Parameter	Observed Power ^a
Intercept	9.223	1.000
PRETEST	4.262	.987
ITEM201	4.236	.986
[TUTOR=BC]	2.232	.590
[TUTOR=FC]	.	.

a. Computed using alpha = .05

b. This parameter is set to zero because it is redundant.

Estimated Marginal Means

TUTOR

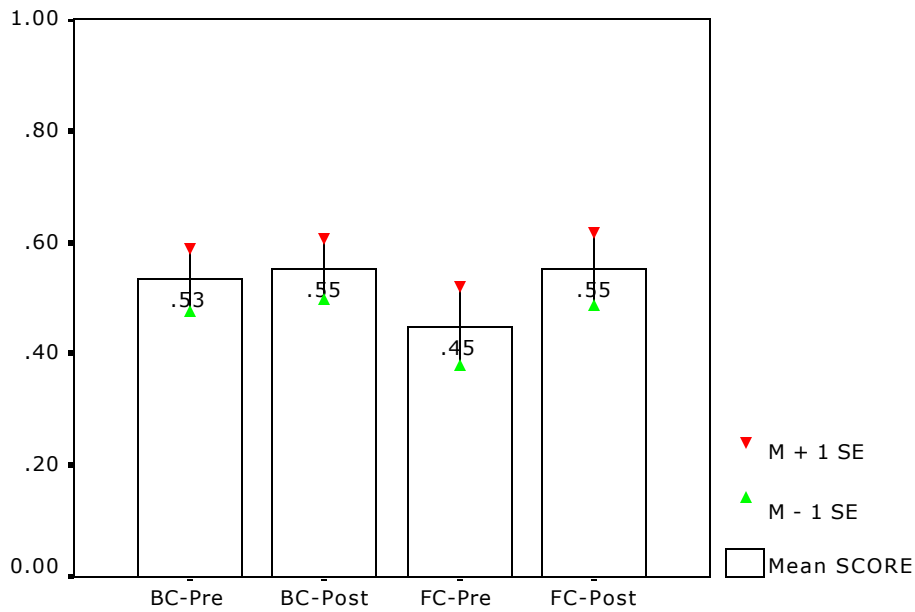
Dependent Variable: POSTTEST

TUTOR	Mean	Std. Error	95% Confidence Interval	
			Lower Bound	Upper Bound
BC	.573 ^a	.037	.499	.648
FC	.691 ^a	.037	.617	.766

a. Covariates appearing in the model are evaluated at the following values: PRETEST = .419225, ITEM201 = .50.

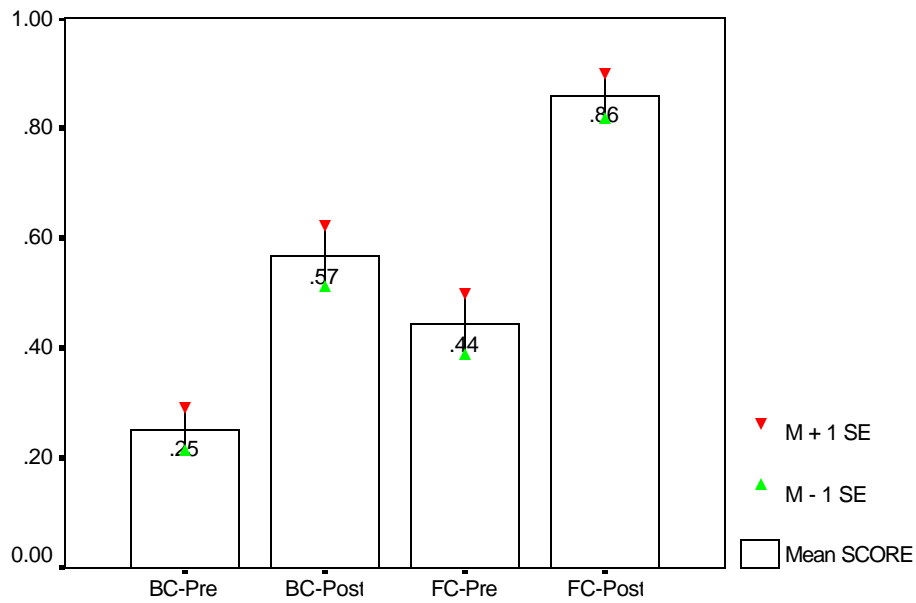
Graph

ORDER: AB



Tutor-Test

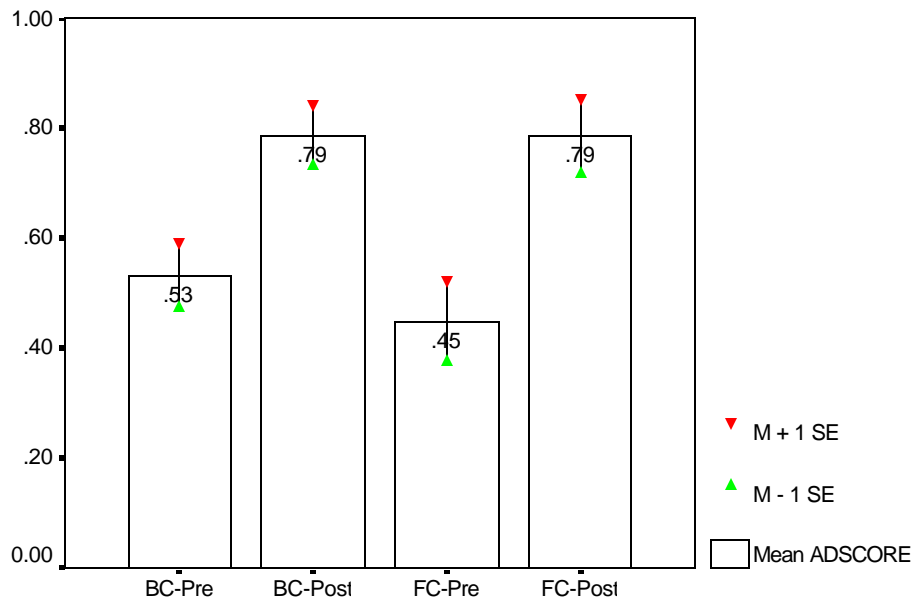
ORDER: BA



Tutor-Test

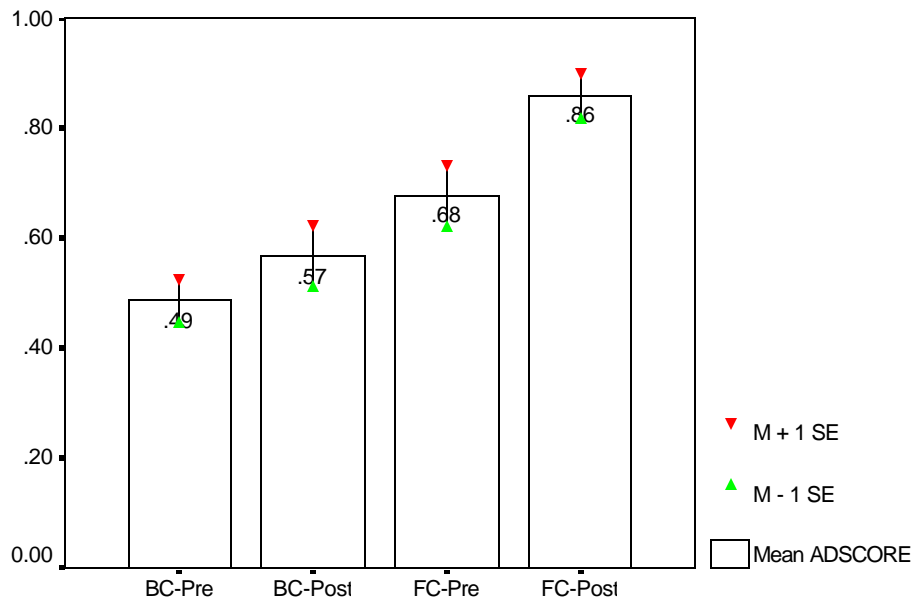
Graph: Test-B adjusted by 0.234

ORDER: AB



Tutor-Test

ORDER: BA



Tutor-Test