

ANCOVA on Blank2 with Blank1 as a covariate

Between-Subjects Factors

ITEM1	N
A TUTOR BC	13
FC	13
B TUTOR BC	13
FC	13

Descriptive Statistics

Dependent Variable: BLANK2

ITEM1	TUTOR	Mean	Std. Deviation	N
A	BC	5.77	.439	13
	FC	5.69	.855	13
	Total	5.73	.667	26
B	BC	5.00	1.414	13
	FC	5.85	.376	13
	Total	5.42	1.102	26

Tests of Between-Subjects Effects

Dependent Variable: BLANK2

ITEM1	Source	Type III Sum of Squares	df	Mean Square	F	Sig.
A	Corrected Model	1.627 ^a	3	.542	1.258	.313
	Intercept	46.428	1	46.428	107.654	.000
	TUTOR	.518	1	.518	1.202	.285
	BLANK1	.385	1	.385	.892	.355
	TUTOR * BLANK1	.480	1	.480	1.113	.303
	Error	9.488	22	.431		
	Total	865.000	26			
	Corrected Total	11.115	25			
B	Corrected Model	9.771 ^b	3	3.257	3.483	.033
	Intercept	17.559	1	17.559	18.776	.000
	TUTOR	1.120	1	1.120	1.197	.286
	BLANK1	.860	1	.860	.920	.348
	TUTOR * BLANK1	.766	1	.766	.819	.375
	Error	20.575	22	.935		
	Total	795.000	26			
	Corrected Total	30.346	25			

a. R Squared = .146 (Adjusted R Squared = .030)

b. R Squared = .322 (Adjusted R Squared = .230)

ANCOVA on Blank2 with Blank1 as a covariate

Between-Subjects Factors

ITEM1	N
A TUTOR BC	13
FC	13
B TUTOR BC	13
FC	13

Descriptive Statistics

Dependent Variable: BLANK2

ITEM1	TUTOR	Mean	Std. Deviation	N
A	BC	5.77	.439	13
	FC	5.69	.855	13
	Total	5.73	.667	26
B	BC	5.00	1.414	13
	FC	5.85	.376	13
	Total	5.42	1.102	26

Tests of Between-Subjects Effects

Dependent Variable: BLANK2

ITEM1	Source	Type III Sum of Squares	df	Mean Square	F	Sig.
A	Corrected Model	1.147 ^a	2	.574	1.324	.286
	Intercept	52.627	1	52.627	121.430	.000
	TUTOR	.038	1	.038	.089	.768
	BLANK1	1.109	1	1.109	2.559	.123
	Error	9.968	23	.433		
	Total	865.000	26			
	Corrected Total	11.115	25			
B	Corrected Model	9.005 ^b	2	4.503	4.853	.017
	Intercept	27.227	1	27.227	29.344	.000
	TUTOR	1.020	1	1.020	1.100	.305
	BLANK1	4.351	1	4.351	4.690	.041
	Error	21.341	23	.928		
	Total	795.000	26			
	Corrected Total	30.346	25			

a. R Squared = .103 (Adjusted R Squared = .025)

b. R Squared = .297 (Adjusted R Squared = .236)

Estimated Marginal Means

TUTOR

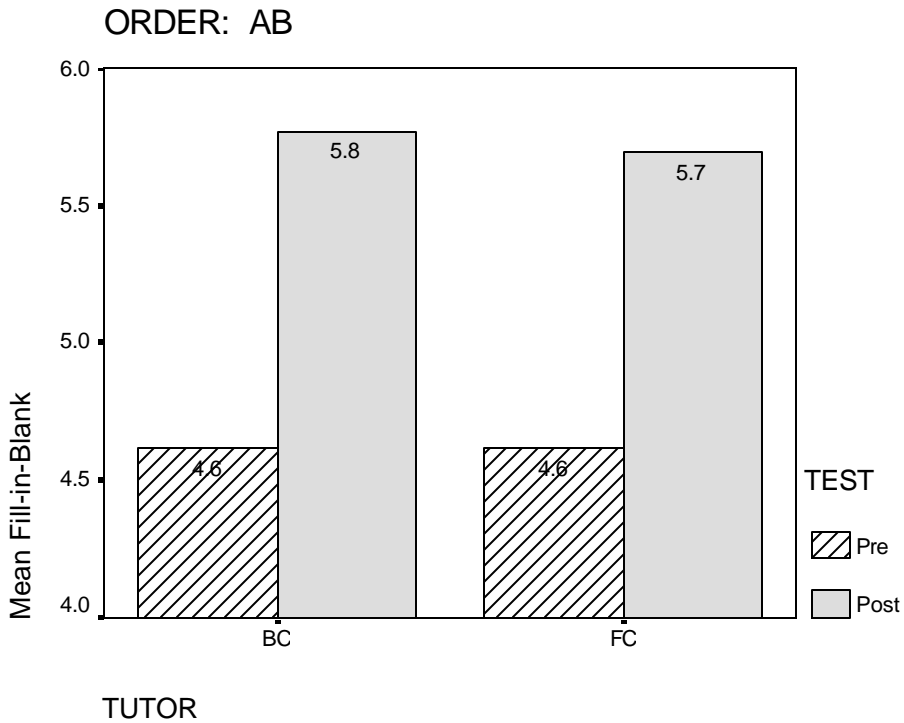
Dependent Variable: BLANK2

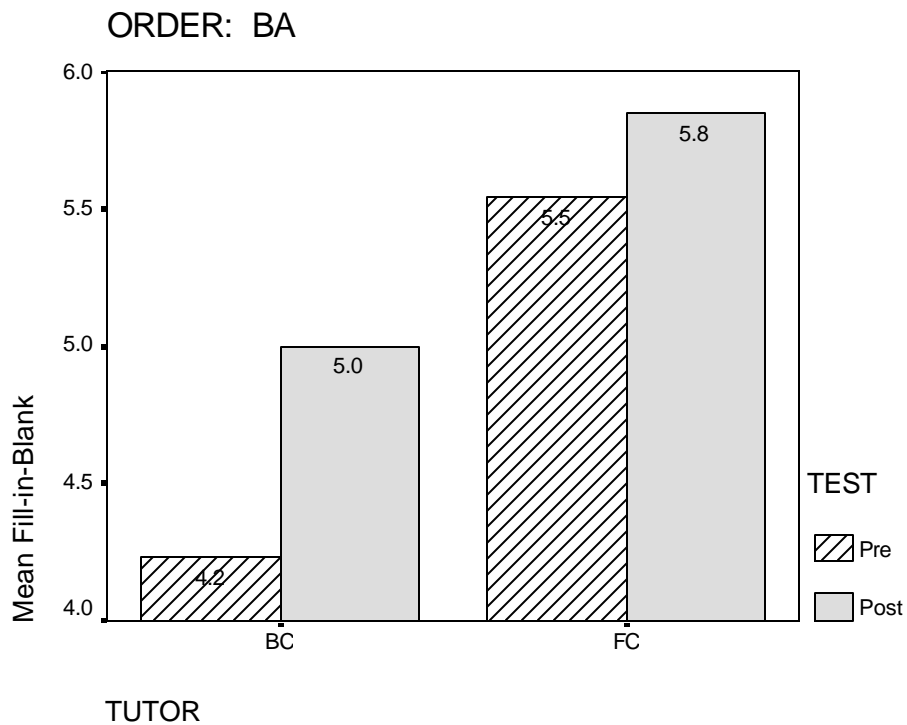
ITEM1	TUTOR	Mean	Std. Error	95% Confidence Interval	
				Lower Bound	Upper Bound
A	BC	5.769 ^a	.183	5.392	6.147
	FC	5.692 ^a	.183	5.315	6.070
B	BC	5.202 ^b	.283	4.617	5.788
	FC	5.644 ^b	.283	5.059	6.229

a. Covariates appearing in the model are evaluated at the following values: BLANK1 = 4.62.

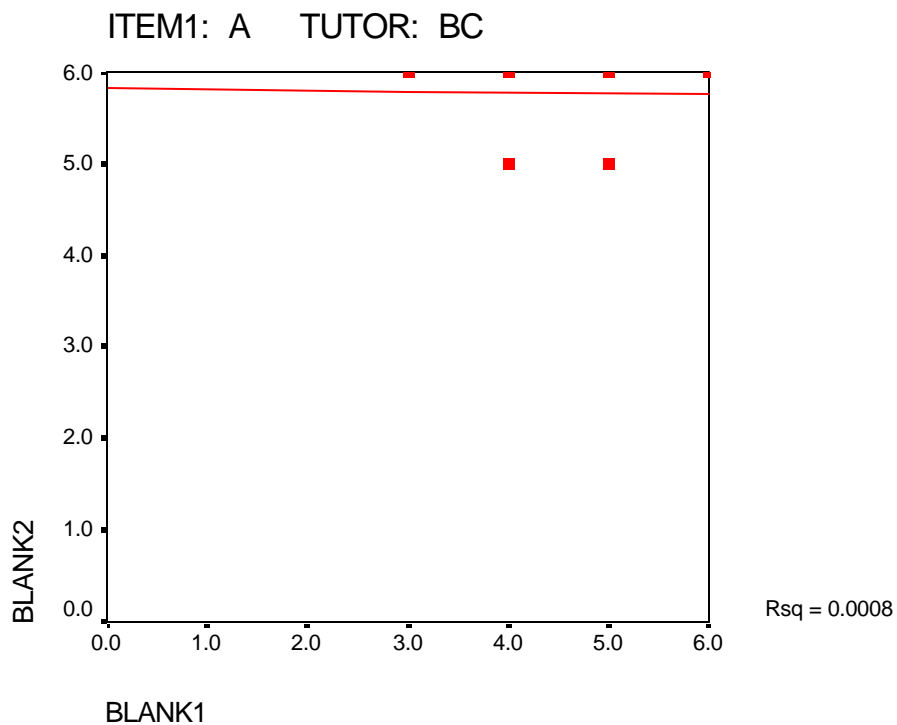
b. Covariates appearing in the model are evaluated at the following values: BLANK1 = 4.88.

Graph

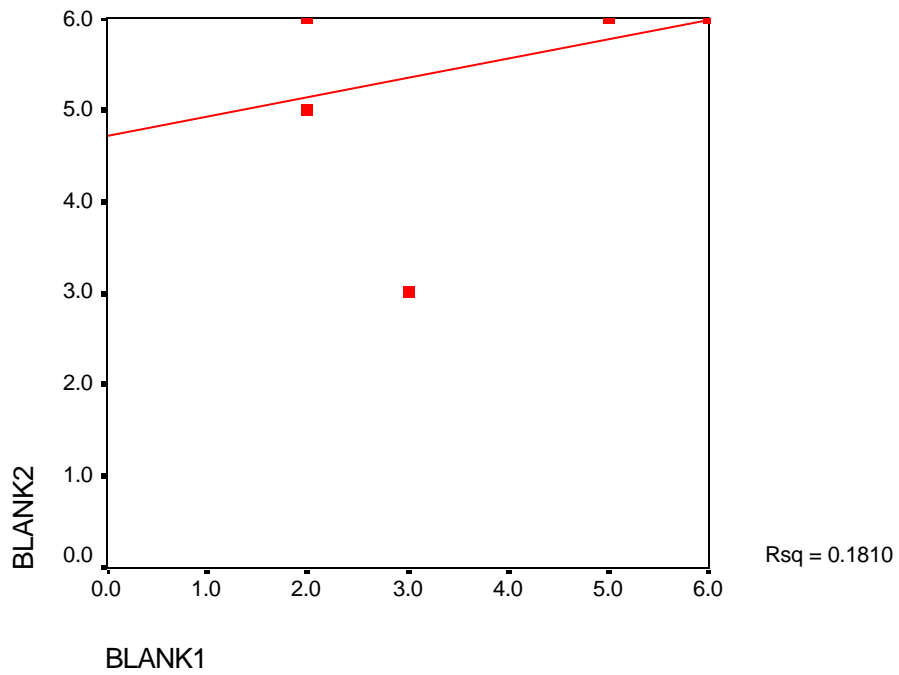




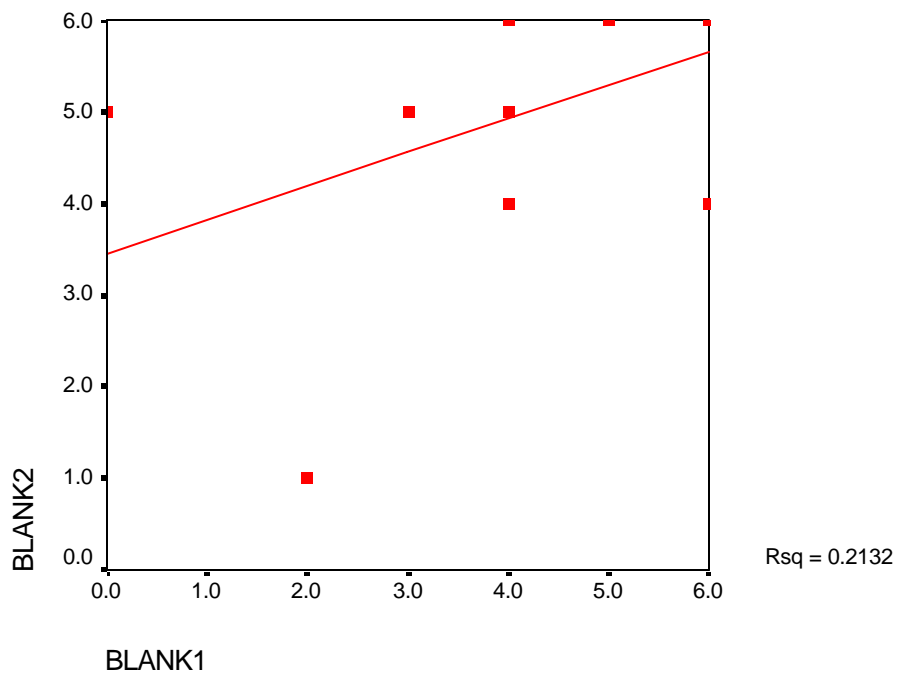
Scatter plot (ITEM1 shows the test item used for pre-test)

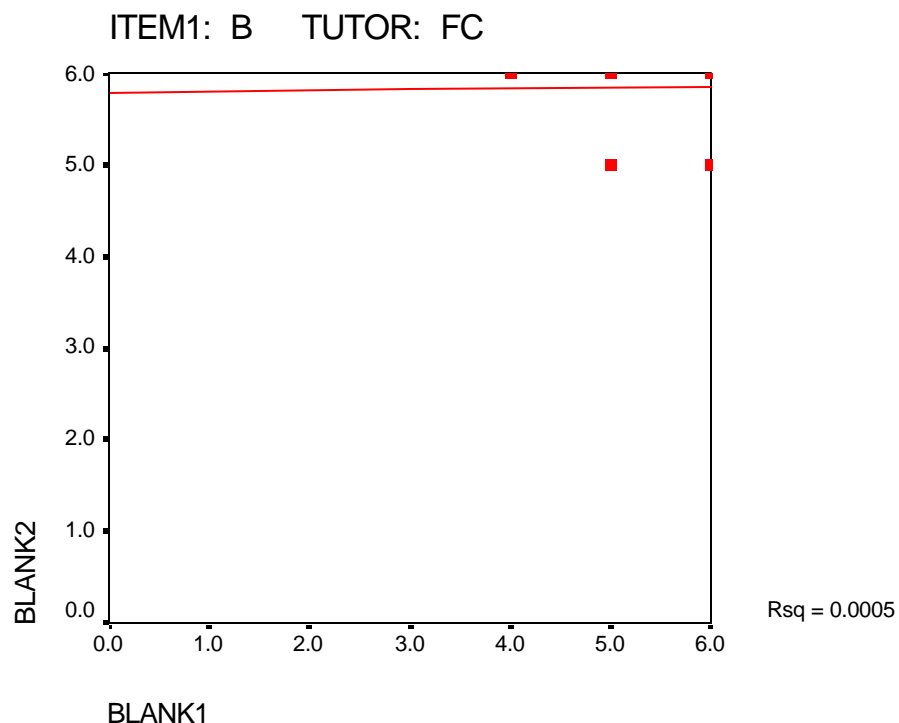


ITEM1: A TUTOR: FC



ITEM1: B TUTOR: BC





Correlations between fill-in-blank test items

ITEM1 = A, TUTOR = BC

Descriptive Statistics^a

	Mean	Std. Deviation	N
BLANK1	4.62	1.044	13
BLANK2	5.77	.439	13

a. ITEM1 = A, TUTOR = BC

Correlations^a

		BLANK1	BLANK2
BLANK1	Pearson Correlation	1	-.028
	Sig. (2-tailed)	.	.928
	N	13	13
BLANK2	Pearson Correlation	-.028	1
	Sig. (2-tailed)	.928	.
	N	13	13

a. ITEM1 = A, TUTOR = BC

ITEM1 = A, TUTOR = FC

Descriptive Statistics^a

	Mean	Std. Deviation	N
BLANK1	4.62	1.710	13
BLANK2	5.69	.855	13

a. ITEM1 = A, TUTOR = FC

Correlations^a

		BLANK1	BLANK2
BLANK1	Pearson Correlation	1	.425
	Sig. (2-tailed)	.	.147
	N	13	13
BLANK2	Pearson Correlation	.425	1
	Sig. (2-tailed)	.147	.
	N	13	13

a. ITEM1 = A, TUTOR = FC

ITEM1 = B, TUTOR = BCDescriptive Statistics^a

	Mean	Std. Deviation	N
BLANK1	4.23	1.787	13
BLANK2	5.00	1.414	13

a. ITEM1 = B, TUTOR = BC

Correlations^a

		BLANK1	BLANK2
BLANK1	Pearson Correlation	1	.462
	Sig. (2-tailed)	.	.112
	N	13	13
BLANK2	Pearson Correlation	.462	1
	Sig. (2-tailed)	.112	.
	N	13	13

a. ITEM1 = B, TUTOR = BC

ITEM1 = B, TUTOR = FCDescriptive Statistics^a

	Mean	Std. Deviation	N
BLANK1	5.54	.776	13
BLANK2	5.85	.376	13

a. ITEM1 = B, TUTOR = FC

Correlations^a

		BLANK1	BLANK2
BLANK1	Pearson Correlation	1	.022
	Sig. (2-tailed)	.	.943
	N	13	13
BLANK2	Pearson Correlation	.022	1
	Sig. (2-tailed)	.943	.
	N	13	13

a. ITEM1 = B, TUTOR = FC