



Q1 (9 marks)

- 1- Partial correlation is
- 2- Multicollinearity used
- 3- Factor Analysis used

Q2 (8 marks)

Tests of Between-Subjects Effects

Source	Dependent Variable	Type III Sum of Squares	df	Mean Square	F	Sig.
Corrected Model	x1	86.800 ^a	2	43.400	.255	.779
	x2	454.533 ^b	2	227.267	.559	.586
Intercept	x1	24969.600	1	24969.600	146.478	.000
	x2	44826.667	1	44826.667	110.166	.000
social status	x1	86.800	2	43.400	.255	.779
	x2	454.533	2	227.267	.559	.586
Error	x1	2045.600	12	170.467		
	x2	4882.800	12	406.900		
Total	x1	27102.000	15			
	x2	50164.000	15			
Corrected Total	x1	2132.400	14			
	x2	5337.333	14			

a. R Squared = .041 (Adjusted R Squared = -.119)

b. R Squared = .085 (Adjusted R Squared = -.067)

Find

- 1- Name of test.
- 2- Explain result.
- 3- Write steps in the application of the test in SPSS.

Q3\

(8 marks)

Variables Entered/Removed^a

Model	Variables Entered	Variables Removed	Method
1	X3		Stepwise (Criteria: Probability-of-F- to-enter <= .050, Probability-of-F- to-remove >= .100).

a. Dependent Variable: Y

ANOVA^a

Model		Sum of Squares	df	Mean Square	F	Sig.
1	Regression	156.060	1	156.060	22.886	.001 ^b
	Residual	68.190	10	6.819		
	Total	224.250	11			

a. Dependent Variable: Y

b. Predictors: (Constant), X3

Coefficients^a

Model	Unstandardized Coefficients		Standardized Coefficients	t	Sig.
	B	Std. Error	Beta		
1 (Constant)	2.070	7.288		.284	.782
X3	.612	.128	.834	4.784	.001

a. Dependent Variable: Y

Excluded Variables^a

Model		Beta In	t	Sig.	Partial Correlation	Collinearity Statistics
						Tolerance
1	X1	-.407 ^b	-2.143	.061	-.581	.620
	X2	.164 ^b	.884	.400	.283	.901

a. Dependent Variable: Y

b. Predictors in the Model: (Constant), X3

Find\

- 1- Name of test.
- 2- Write model and explain result.
- 3- Write steps in the application of the test in SPSS.
- 4- Model is significant or not?

Good Luck

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