

Ch5 LAB - STRENGTH & SIGNIFICANCE OF PREDICTORS

*1. Calculate SSchange for the unique contribution of quality.

REGRESS /DEP = buy /ENTER valu /ENTER qual.

Model	R	R Square
1	.820	.672
2	.882	.778

Model		Sum of Squares	df	Mean Square	F	Sig.
1	Regression	24.200	1	24.200	12.305	.013
	Residual	11.800	6	1.967		
	Total	36.000	7			
2	Regression	28.000	2	14.000	8.750	.023
	Residual	8.000	5	1.600		
	Total	36.000	7			

Model		Unstandardized Coefficients			Sig.
		B	Std. Error	t	
1	(Constant)	10.700	1.063	10.062	.000
	valu	1.100	.314	3.508	.013
2	(Constant)	5.000	3.821	1.309	.248
	valu	2.000	.649	3.082	.027
	qual	1.000	.649	1.541	.184

*2. Compute the part r for the unique contribution of quality.

*3. Find part r in a second way ... use R2s.

*4. Add the zpp and change commands. find results.

REGRESS /STAT = DEFAULT ZPP CHANGE
/DEP = buy /ENTER valu /ENTER qual.

Model	R	R Square	Change Statistics				
			R Square Change	F Change	df1	df2	Sig. F Change
1	.82	.672	.672	12.305	1	6	.013
2	.88	.778	.106	2.375	1	5	.184

Model		Sum of Squares	df	Mean Square	F	Sig.
1	Regression	24.200	1	24.200	12.305	.013
	Residual	11.800	6	1.967		
	Total	36.000	7			
2	Regression	28.000	2	14.000	8.750	.023
	Residual	8.000	5	1.600		
	Total	36.000	7			

Model		Unstandardized Coefficients				Correlations		
		B	Std. Error	t	Sig.	Zero-order	Partial	Part
1	(Constant)	10.700	1.063	10.06	.000			
	valu	1.100	.314	3.508	.013	.820	.820	.820
2	(Constant)	5.000	3.821	1.309	.248			
	valu	2.000	.649	3.082	.027	.820	.809	.650
	qual	1.000	.649	1.541	.184	-.596	.567	.325

*5. Calculate Fchange. Compare to t for qual.

*6. Calculate SE and t for qual.

*7. Interpret results in terms of graphs from Lab 2:1.