

# Ch5 Ex1: Anxiety (anx) as a function of amount of stress (str) and strength of coping mechanisms (cop).

CORR anx str cop /STAT.

	Mean	Std. Deviation	N
anx	47.60	10.050	25
str	24.96	3.422	25
cop	15.16	2.749	25

	anx	str
str	.694	
	.000	
cop	-.136	.315
	.516	.125

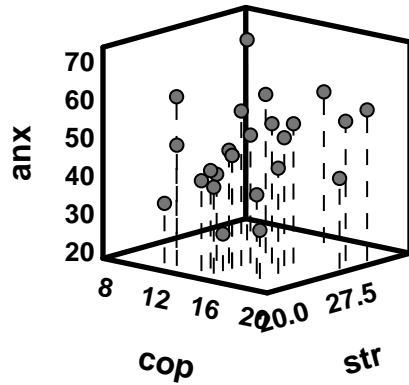
REGRESS /STAT = DEFAULT CHANGE ZPP /DEP = anx /ENTER str /ENTER cop.

Model	R	R Square	Change Statistics				
			R Square Change	F Change	df1	df2	Sig. F Change
1	.694	.481	.481	21.352	1	23	.000
2	.788	.621	.140	8.135	1	22	.009

Model		Sum of Squares	df	Mean Square	F	Sig.
1	Regression	1166.966	1	1166.966	21.352	.000
	Residual	1257.034	23	54.654		
	Total	2424.000	24			
2	Regression	1506.295	2	753.147	18.055	.000
	Residual	917.705	22	41.714		
	Total	2424.000	24			

Model		Unstandardized Coefficients				Correlations		
		B	Std. Error	t	Sig.	Zero-order	Partial	Part
1	(Constant)	-3.269	11.107	-.294	.771			
	str	2.038	.441	4.621	.000	.694	.694	.694
2	(Constant)	9.470	10.682	.887	.385			
	str	2.403	.406	5.919	.000	.694	.784	.776
	cop	-1.441	.505	-2.852	.009	-.136	-.520	-.374

GRAPH /SCATTERPLOT(XYZ)=str WITH anx WITH cop.



```
INPUT PROGRAM.  
LOOP c = 8 TO 20 BY 4.  
LEAVE c.  
LOOP s = 20 TO 35 BY 5.  
END CASE.  
END LOOP.  
END LOOP.  
END FILE.  
END INPUT PROGRAM.  
COMPUTE a = 9.470 + 2.403*s - 1.441*c.  
GRAPH /SCATTERPLOT(XYZ)=s WITH a WITH c /MISSING=LISTWISE.
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