

*31 Lec: wellness, income (omit), stress,
neg life events, family support.

CORR wel str neg fam /STAT.

	Mean	Std. Deviation	N
wel	28.82692	5.012616	52
str	20.15385	2.652299	52
neg	19.98077	2.667821	52
fam	19.88462	2.853645	52

	wel	str	neg
str	-.386 .005		
neg	-.389 .004	.532 .000	
fam	-.047 .743	.679 .000	.438 .001

REGRESS /DEP = wel /ENTER str neg fam /SAVE PRED(prdw.snf) RESI(resw.snf).

Model	R	R Square
1	.547	.299

Model		Sum of Squares	df	Mean Square	F	Sig.
1	Regression	383.679	3	127.893	6.838	.001
	Residual	897.763	48	18.703		
	Total	1281.442	51			

Model		Unstandardized Coefficients		Standardized Coefficients		t	Sig.
		B	Std. Error	Beta			
1	(Constant)	44.741	5.389			8.302	.000
	str	-.991	.333	-.524		-2.977	.005
	neg	-.569	.270	-.303		-2.106	.040
	fam	.776	.291	.442		2.664	.010

	Mean	Std. Deviation	N
Predicted Value	28.82692	2.742831	52
Residual	.000000	4.195616	52

VARI LABEL prdw.snf ' ' resw.snf ' '.
 LIST /CASES = FROM 1 TO 2.

	o	inc	str	neg	fam	wel	prdw.snf	resw.snf
1.000	50.000	20.000	20.000	20.000	26.000	29.05787	-3.05787	
2.000	47.000	20.000	20.000	20.000	25.000	29.05787	-4.05787	

CORR wel str neg fam prdw.snf resw.snf.

	wel	str	neg	fam	prdw.snf
prdw.snf	.547				
resw.snf	.837	.000	.000	.000	.000

REGRESS /STAT = DEFAULT ZPP CHANGE /DEP = wel /ENTER str neg /ENTER fam.

Model	R	R Square	Change Statistics				
			R Square Change	F Change	df1	df2	Sig. F Change
1	.442	.196	.196	5.965	2	49	.005
2	.547	.299	.104	7.099	1	48	.010

Model		Sum of Squares	df	Mean Square	F	Sig.
1	Regression	250.904	2	125.452	5.965	.005
	Residual	1030.539	49	21.031		
	Total	1281.442	51			
2	Regression	383.679	3	127.893	6.838	.001
	Residual	897.763	48	18.703		
	Total	1281.442	51			

Model		Unstandardized Coefficients		Standardized Coefficients		t	Sig.	Correlations		
		B	Std. Error	Beta				Zero-order	Partial	Part
1	(Constant)	47.941	5.571			8.605	.000			
	str	-.472	.286	-.250		-1.649	.106	-.386	-.229	-.211
	neg	-.481	.284	-.256		-1.691	.097	-.389	-.235	-.217
2	(Constant)	44.741	5.389			8.302	.000			
	str	-.991	.333	-.524		-2.977	.005	-.386	-.395	-.360
	neg	-.569	.270	-.303		-2.106	.040	-.389	-.291	-.254
	fam	.776	.291	.442		2.664	.010	-.047	.359	.322

REGRESS /DEP = fam /ENTER str neg /SAVE RESI(resf.sn).

Model	R	R Square
1	.685	.469

REGRESS /DEP = wel /ENTER str neg /SAVE RESI(resw.sn).

Model		Sum of Squares	df	Mean Square	F	Sig.
1	Regression	250.904	2	125.452	5.965	.005
	Residual	1030.539	49	21.031		
	Total	1281.442	51			

VARI LABEL resf.sn ' ' resw.sn ' '.
CORR resf.sn resw.sn wel str neg.

	resf.sn	resw.sn
resw.sn	.359	
wel	.322	
str	.000	.000
neg	.000	.000

DATA LIST FREE / o inc str neg fam wel.

BEGIN DATA

1	50	20	20	20	26	2	47	20	20	20	25	3	62	19	21	17	29	4	48	19	16	19	33
5	39	19	18	19	36	6	59	18	18	19	34	7	61	17	15	22	38	8	41	20	17	19	28
9	59	18	23	22	31	10	47	17	17	14	22	11	48	19	21	19	29	12	58	22	20	19	29
13	37	23	22	23	20	14	56	21	20	23	28	15	35	22	24	26	29	16	59	24	19	25	30
17	51	21	19	18	28	18	51	19	19	19	37	19	41	22	22	22	28	20	47	20	23	17	28
21	40	24	23	23	34	22	47	17	21	18	27	23	47	24	22	19	21	24	52	18	16	17	29
25	51	23	24	25	22	26	39	21	23	21	24	27	57	24	23	22	23	28	43	16	20	16	33
29	50	20	25	21	15	30	26	24	18	22	27	31	43	15	18	12	32	32	56	20	20	15	28
33	49	24	24	23	23	34	70	17	18	19	30	35	43	20	14	18	23	36	46	16	15	18	32
37	50	19	21	22	36	38	55	21	19	23	32	39	50	20	19	18	29	40	51	20	22	17	23
41	50	25	20	23	29	42	33	24	20	22	28	43	67	14	16	16	32	44	40	19	20	20	37
45	48	20	21	22	30	46	55	19	23	19	35	47	58	19	19	17	21	48	59	17	16	19	38
49	32	20	19	20	32	50	53	21	20	22	31	51	36	25	24	22	29	52	24	22	22	21	26

END DATA.

*31 Lec: Automated procedures , add Income.

CORR wel inc str neg fam.

	wel	inc	str	neg
inc	.142			
	.315			
str	-.386	-.380		
	.005	.005		
neg	-.389	-.200	.532	
	.004	.155	.000	
fam	-.047	-.180	.679	.438
	.743	.201	.000	.001

REGRESS /VARI = inc TO wel /DEP = wel /FORWARD.

Model	Variables Entered	Variables Removed	Method
1	neg	.	Forward (Criterion: Probability-of-F-to-enter <= .050)

Model	R	R Square
1	.389	.151

Model		Sum of Squares	df	Mean Square	F	Sig.
1	Regression	193.720	1	193.720	8.905	.004
	Residual	1087.722	50	21.754		
	Total	1281.442	51			

Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.
		B	Std. Error	Beta		
1	(Constant)	43.424	4.934		8.801	.000
	neg	-.731	.245	-.389	-2.984	.004

Model		Beta In	t	Sig.	Partial Correlation
1	inc	.067	.500	.619	.071
	str	-.250	-1.649	.106	-.229
	fam	.153	1.055	.297	.149

REGRESS /VARI = inc TO wel /DEP = wel /BACKWARD.

Model	Variables Entered	Variables Removed	Method
1	fam, inc, neg, str	.	Enter
2	.	inc	Backward (criterion: Probability of F-to-remove >= .100).

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate
1	.549	.301	.242	4.365194
2	.547	.299	.256	4.324742

Model		Sum of Squares	df	Mean Square	F	Sig.
1	Regression	385.861	4	96.465	5.062	.002
	Residual	895.581	47	19.055		
	Total	1281.442	51			
2	Regression	383.679	3	127.893	6.838	.001
	Residual	897.763	48	18.703		
	Total	1281.442	51			

Model		Unstandardized Coefficients		Standardized Coefficients		t	Sig.
		B	Std. Error	Beta			
1	(Constant)	46.471	7.465			6.225	.000
	inc	-.023	.069		-.045	-.338	.737
	str	-1.031	.356		-.545	-2.895	.006
	neg	-.570	.273		-.303	-2.091	.042
	fam	.787	.296		.448	2.661	.011
2	(Constant)	44.741	5.389			8.302	.000
	str	-.991	.333		-.524	-2.977	.005
	neg	-.569	.270		-.303	-2.106	.040
	fam	.776	.291		.442	2.664	.010

Model		Beta In	t	Sig.	Partial Correlation
2	inc	-.045	-.338	.737	-.049

REGRESS /VARI = inc TO wel /CRITERIA PIN (.11) /DEP = wel /FORWARD .

Model	Variables Entered	Variables Removed	Method
1	neg	.	Forward (Criterion: Probability-of-F-to-enter <= .110)
2	str	.	Forward (Criterion: Probability-of-F-to-enter <= .110)
3	fam	.	Forward (Criterion: Probability-of-F-to-enter <= .110)

Model	R	R Square
1	.389	.151
2	.442	.196
3	.547	.299

Model		Sum of Squares	df	Mean Square	F	Sig.
1	Regression	193.720	1	193.720	8.905	.004
	Residual	1087.722	50	21.754		
	Total	1281.442	51			
2	Regression	250.904	2	125.452	5.965	.005
	Residual	1030.539	49	21.031		
	Total	1281.442	51			
3	Regression	383.679	3	127.893	6.838	.001
	Residual	897.763	48	18.703		
	Total	1281.442	51			

Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.
		B	Std. Error	Beta		
1	(Constant)	43.424	4.934		8.801	.000
	neg	-.731	.245	-.389	-2.984	.004
2	(Constant)	47.941	5.571		8.605	.000
	neg	-.481	.284	-.256	-1.691	.097
	str	-.472	.286	-.250	-1.649	.106
3	(Constant)	44.741	5.389		8.302	.000
	neg	-.569	.270	-.303	-2.106	.040
	str	-.991	.333	-.524	-2.977	.005
	fam	.776	.291	.442	2.664	.010

Model		Beta In	t	Sig.	Partial Correlation
1	inc	.067	.500	.619	.071
	str	-.250	-1.649	.106	-.229
	fam	.153	1.055	.297	.149
2	inc	-.004	-.032	.975	-.005
	fam	.442	2.664	.010	.359
3	inc	-.045	-.338	.737	-.049

REGRESS /VARI = inc TO wel /CRITERIA PIN (.11) /DEP = wel /STEPWISE.

Warnings

There are conflicting criteria on CRITERIA subcommand. Probability-of-F-to-remove (POUT) is less than or equal to Probability-of-F-to-enter (PIN). Using the STEPWISE method might result in the same variable being entered and then removed in a cycle that continues until the number of steps allowed for the equation is exceeded. POUT has been reset to 1.1*PIN, or 1.0, whichever is smaller. The criteria are now: PIN = .110, POUT = .121.

Model	Variables Entered	Variables Removed	Method
1	neg	.	Stepwise (Criteria: Probability-of-F-to-enter <= .110, Probability-of-F-to-remove >= .121).
2	str	.	Stepwise (Criteria: Probability-of-F-to-enter <= .110, Probability-of-F-to-remove >= .121).
3	fam	.	Stepwise (Criteria: Probability-of-F-to-enter <= .110, Probability-of-F-to-remove >= .121).

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate
1	.389	.151	.134	4.664165
2	.442	.196	.163	4.586000
3	.547	.299	.256	4.324742

Model		Sum of Squares	df	Mean Square	F	Sig.
1	Regression	193.720	1	193.720	8.905	.004
	Residual	1087.722	50	21.754		
	Total	1281.442	51			
2	Regression	250.904	2	125.452	5.965	.005
	Residual	1030.539	49	21.031		
	Total	1281.442	51			
3	Regression	383.679	3	127.893	6.838	.001
	Residual	897.763	48	18.703		
	Total	1281.442	51			

Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.
		B	Std. Error	Beta		
1	(Constant)	43.424	4.934		8.801	.000
	neg	-.731	.245	-.389	-2.984	.004
2	(Constant)	47.941	5.571		8.605	.000
	neg	-.481	.284	-.256	-1.691	.097
	str	-.472	.286	-.250	-1.649	.106
3	(Constant)	44.741	5.389		8.302	.000
	neg	-.569	.270	-.303	-2.106	.040
	str	-.991	.333	-.524	-2.977	.005
	fam	.776	.291	.442	2.664	.010

Model		Beta In	t	Sig.	Partial Correlation
1	inc	.067	.500	.619	.071
	str	-.250	-1.649	.106	-.229
	fam	.153	1.055	.297	.149
2	inc	-.004	-.032	.975	-.005
	fam	.442	2.664	.010	.359
3	inc	-.045	-.338	.737	-.049

CORR wel inc str neg fam.

	wel	inc	str	neg
inc	.142			
	.315			
str	-.386	-.380		
	.005	.005		
neg	-.389	-.200	.532	
	.004	.155	.000	
fam	-.047	-.180	.679	.438
	.743	.201	.000	.001