

Ch6 - Ex 1 - Child aggression (aggr) as a function of mother's education (educ) and authoritarian parenting style (auth).

REGRESS /STAT = DEFAULT CHANGE ZPP /DEP = aggr /ENTER educ /ENTER auth.

Model	R	R Square	Change Statistics				
			R Square Change	F Change	df1	df2	Sig. F Change
1	.467	.218	.218	6.425	1	23	.019
2	.744	.554	.335	16.521	1	22	.001

Model		Sum of Squares	df	Mean Square	F	Sig.
1	Regression	128.267	1	128.267	6.425	.019
	Residual	459.173	23	19.964		
	Total	587.440	24			
2	Regression	325.201	2	162.601	13.641	.000
	Residual	262.239	22	11.920		
	Total	587.440	24			

Model		Unstandardized	Standardized	Correlations		
		Coefficients	Coefficients	Zero-order	Partial	Part
1	(Constant)	52.531				
	educ	-1.236	-.467	-.467	-.467	-.467
2	(Constant)	19.096				
	educ	.315	.119	-.467	.124	.084
	auth	.874	.824	.739	.655	.579

REGRESS /DEP = auth /ENTER educ /SAVE RESID(resa.e) .

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate
1	.712	.506	.485	3.3473051

Model		Sum of Squares	df	Mean Square	F	Sig.
1	Regression	264.298	1	264.298	23.589	.000
	Residual	257.702	23	11.204		
	Total	522.000	24			

	Minimum	Maximum	Mean	Std. Deviation	N
Predicted Value	8.092857	25.830952	19.800000	3.3184938	25
Residual	-6.2833333	8.2642860	.0000000	3.2768276	25

VARI LABEL resa.e '' .

CORR resa.e WITH aggr educ.

	aggr	educ
resa.e	.579	.000

DESCR aggr auth educ.

	Mean	Std. Deviation
aggr	39.680000	4.9473899
auth	19.800000	4.6636895
educ	10.400000	1.8708287

COMPUTE zaggr = (aggr - 39.68)/4.9474.

COMPUTE zauth = (auth - 19.80)/4.6637.

COMPUTE zeduc = (educ - 10.40)/1.8708.

DESCR zaggr zauth zeduc.

	Mean	Std. Deviation
zaggr	.000000	.9999980
zauth	.000000	.9999978
zeduc	.000000	1.0000153

REGRESS /DEP = zaggr /ENTER zauth zeduc.

Model		Unstandardized Coefficients		Standardized	t	Sig.
		B	Std. Error	Coefficients		
1	(Constant)	2.019E-16	.140		.000	1.000
	zauth	.824	.203	.824	4.065	.001
	zeduc	.119	.203	.119	.587	.563

REGRESS /DEP = aggr /ENTER educ /SAVE RESID(resag.e) .

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate
1	.467	.218	.184	4.4681134

Model		Sum of Squares	df	Mean Square	F	Sig.
1	Regression	128.267	1	128.267	6.425	.019
	Residual	459.173	23	19.964		
	Total	587.440	24			

	Minimum	Maximum	Mean	Std. Deviation	N
Predicted Value	31.524286	43.881428	39.680000	2.3118097	25
Residual	-6.4099998	10.0614290	.0000000	4.3740373	25

VARI LABEL resag.e ''.

CORR resag.e WITH resa.e educ.

	resa.e	educ
resag.e	.655	.000