```
REGRESSION
  /MISSING LISTWISE
  /STATISTICS COEFF OUTS R ANOVA
  /CRITERIA=PIN(.05) POUT(.10)
  /NOORIGIN
  /DEPENDENT weight_gain
  /METHOD=ENTER initial_weight initial_age.
```

Regression

[DataSet1]

Variables Entered/Removed[a]

Model	Variables Entered	Variables Removed	Method
1	initial age of pig x2(width), initial weight of pig x1 (pound)[b]	.	Enter

a. Dependent Variable: weight gain of pig y(independent)

b. All requested variables entered.

Model Summary

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate
1	.939[a]	.881	.834	.99907

a. Predictors: (Constant), initial age of pig x2(width), initial weight of pig x1(pound)

ANOVA[a]

Model		Sum of Squares	df	Mean Square	F	Sig.
1	Regression	37.009	2	18.505	18.539	.005[b]
	Residual	4.991	5	.998		
	Total	42.000	7			

a. Dependent Variable: weight gain of pig y(independent)

b. Predictors: (Constant), initial age of pig x2(width), initial weight of pig x1(pound)

Coefficients[a]

Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.
		B	Std. Error	Beta		
1	(Constant)	-4.192	1.888		-2.220	.077
	initial weight of pig x1 (pound)	.105	.032	.501	3.247	.023
	initial age of pig x2(width)	.807	.158	.786	5.097	.004

a. Dependent Variable: weight gain of pig y(independent)

```
REGRESSION
  /DESCRIPTIVES MEAN STDDEV CORR SIG N
  /MISSING LISTWISE
  /STATISTICS COEFF OUTS R ANOVA CHANGE
  /CRITERIA=PIN(.05) POUT(.10)
  /NOORIGIN
  /DEPENDENT weight_gain
  /METHOD=ENTER initial_weight initial_age
  /SAVE PRED RESID.
```

Regression

```
[DataSet1]
```

Descriptive Statistics

	Mean	Std. Deviation	N
weight gain of pig y (independent)	6.5000	2.44949	8
initial weight of pig x1 (pound)	45.2500	11.69554	8
initial age of pig x2(width)	7.3750	2.38672	8

Correlations

		weight gain of pig y (independent)	initial weight of pig x1 (pound)	initial age of pig x2(width)
Pearson Correlation	weight gain of pig y (independent)	1.000	.514	.794
	initial weight of pig x1 (pound)	.514	1.000	.017
	initial age of pig x2(width)	.794	.017	1.000
Sig. (1-tailed)	weight gain of pig y (independent)	.	.096	.009
	initial weight of pig x1 (pound)	.096	.	.484
	initial age of pig x2(width)	.009	.484	.
N	weight gain of pig y (independent)	8	8	8
	initial weight of pig x1 (pound)	8	8	8
	initial age of pig x2(width)	8	8	8

Variables Entered/Removed[a]

Model	Variables Entered	Variables Removed	Method
1	initial age of pig x2(width), initial weight of pig x1 (pound)[b]	.	Enter

a. Dependent Variable: weight gain of pig y(independent)

b. All requested variables entered.

Model Summary[b]

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate	Change Statistics		
					R Square Change	F Change	df1
1	.939[a]	.881	.834	.99907	.881	18.539	2

Model Summary[b]

Model	Change Statistics	
	df2	Sig. F Change
1	5	.005

a. Predictors: (Constant), initial age of pig x2(width), initial weight of pig x1(pound)

b. Dependent Variable: weight gain of pig y(independent)

ANOVA[a]

Model		Sum of Squares	df	Mean Square	F	Sig.
1	Regression	37.009	2	18.505	18.539	.005[b]
	Residual	4.991	5	.998		
	Total	42.000	7			

a. Dependent Variable: weight gain of pig y(independent)

b. Predictors: (Constant), initial age of pig x2(width), initial weight of pig x1(pound)

Coefficients[a]

Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.
		B	Std. Error	Beta		
1	(Constant)	-4.192	1.888		-2.220	.077
	initial weight of pig x1 (pound)	.105	.032	.501	3.247	.023
	initial age of pig x2(width)	.807	.158	.786	5.097	.004

a. Dependent Variable: weight gain of pig y(independent)

Residuals Statistics[a]

	Minimum	Maximum	Mean	Std. Deviation	N
Predicted Value	4.0747	10.3087	6.5000	2.29936	8
Residual	-1.07467	1.40931	.00000	.84437	8
Std. Predicted Value	-1.055	1.656	.000	1.000	8
Std. Residual	-1.076	1.411	.000	.845	8

a. Dependent Variable: weight gain of pig y(independent)