```
* Curve Estimation.
TSET NEWVAR=NONE.
CURVEFIT
  /VARIABLES=SvO2_VA_LPHG SvO2_VA_LGHG SvO2_VA_LGHP SvO2_VA_LPHP SvO2_VV_LPHG SvO2_VV_LGH
G WITH flow
  /CONSTANT
  /MODEL=LINEAR LOGARITHMIC INVERSE QUADRATIC CUBIC COMPOUND POWER S GROWTH EXPONENTIAL L
GSTIC
  /PRINT ANOVA
  /PLOT FIT.
```

Curve Fit

[DataSet0] C:_project\ECMO\trunk\app\doc\ECMOjo Component Docs\SVO2-flow.SAV

Warnings

The independent variable (flow) contains values of zero. The Inverse and S models cannot be calculated.

The independent variable (flow) contains non-positive values. The minimum value is .000. The Logarithmic and Power models cannot be calculated.

Model Description

Model Name		MOD_3
Dependent Variable	1	SvO2_VA_LPHG
	2	SvO2_VA_LGHG
	3	SvO2_VA_LGHP
	4	SvO2_VA_LPHP
	5	SvO2_VV_LPHG
	6	SvO2_VV_LGHG
Equation	1	Linear
	2	Logarithmic
	3	Inverse
	4	Quadratic
	5	Cubic
	6	Compound [a]
	7	Power[a]
	8	S[a]
	9	Growth[a]
	10	Exponential[a]
	11	Logistic [a]
Independent Variable		flow
Constant		Included
Variable Whose Values Label Observations in Plots		Unspecified
Tolerance for Entering Terms in Equations		1.0E-4

a. The model requires all non-missing values to be positive.

Case Processing Summary

	N
Total Cases	8
Excluded Cases [a]	0
Forecasted Cases	0
Newly Created Cases	0

a. Cases with a missing value in any variable are excluded from the analysis.

Variable Processing Summary

		Variables			
		Dependent			
		SvO2_VA_LPHG	SvO2_VA_LGHG	SvO2_VA_LGHP	SvO2_VA_LPHP
Number of Positive Values		8	8	8	8
Number of Zeros		0	0	0	0
Number of Negative Values		0	0	0	0
Number of Missing Values	User-Missing	0	0	0	0
	System-Missing	0	0	0	0

a. The Inverse or S model cannot be calculated.

b. The Logarithmic or Power model cannot be calculated.

Variable Processing Summary

		Variables		
		Dependent		Independent
		SvO2_VV_LPHG	SvO2_VV_LGHG	flow
Number of Positive Values		8	8	7
Number of Zeros		0	0	1[a,,b]
Number of Negative Values		0	0	0
Number of Missing Values	User-Missing	0	0	0
	System-Missing	0	0	0

a. The Inverse or S model cannot be calculated.

b. The Logarithmic or Power model cannot be calculated.

SvO2_VA_LPHG

Linear

Model Summary

R	R Square	Adjusted R Square	Std. Error of the Estimate
1.000	.999	.999	.002

The independent variable is flow.

ANOVA

	Sum of Squares	df	Mean Square	F	Sig.
Regression	.045	1	.045	8079.161	.000
Residual	.000	6	.000		
Total	.045	7			

The independent variable is flow.

Coefficients

	Unstandardized Coefficients		Standardized Coefficients		
	B	Std. Error	Beta	t	Sig.
flow	.241	.003	1.000	89.884	.000
(Constant)	.530	.001		360.879	.000

Quadratic

Model Summary

R	R Square	Adjusted R Square	Std. Error of the Estimate
1.000	.999	.999	.002

The independent variable is flow.

ANOVA

	Sum of Squares	df	Mean Square	F	Sig.
Regression	.045	2	.022	3614.428	.000
Residual	.000	5	.000		
Total	.045	7			

The independent variable is flow.

Coefficients

	Unstandardized Coefficients		Standardized Coefficients		
	B	Std. Error	Beta	t	Sig.
flow	.247	.009	1.022	26.279	.000
flow ** 2	-.006	.009	-.024	-.607	.570
(Constant)	.529	.002		261.153	.000

Cubic

Model Summary

R	R Square	Adjusted R Square	Std. Error of the Estimate
1.000	.999	.999	.003

The independent variable is flow.

ANOVA

	Sum of Squares	df	Mean Square	F	Sig.
Regression	.045	3	.015	2252.767	.000
Residual	.000	4	.000		
Total	.045	7			

The independent variable is flow.

Coefficients

	Unstandardized Coefficients		Standardized Coefficients	t	Sig.
	B	Std. Error	Beta		
flow	.230	.023	.951	9.988	.001
flow ** 2	.040	.057	.172	.712	.516
flow ** 3	-.030	.037	-.130	-.821	.458
(Constant)	.530	.002		220.768	.000

Compound

Model Summary

R	R Square	Adjusted R Square	Std. Error of the Estimate
.998	.995	.995	.009

The independent variable is flow.

ANOVA

	Sum of Squares	df	Mean Square	F	Sig.
Regression	.109	1	.109	1286.049	.000
Residual	.001	6	.000		
Total	.109	7			

The independent variable is flow.

Coefficients

	Unstandardized Coefficients		Standardized Coefficients	t	Sig.
	B	Std. Error	Beta		
flow	1.456	.015	2.712	95.443	.000
(Constant)	.536	.003		174.435	.000

The dependent variable is ln(SvO2_VA_LPHG).

Growth

Model Summary

R	R Square	Adjusted R Square	Std. Error of the Estimate
.998	.995	.995	.009

The independent variable is flow.

ANOVA

	Sum of Squares	df	Mean Square	F	Sig.
Regression	.109	1	.109	1286.049	.000
Residual	.001	6	.000		
Total	.109	7			

The independent variable is flow.

Coefficients

	Unstandardized Coefficients		Standardized Coefficients		
	B	Std. Error	Beta	t	Sig.
flow	.376	.010	.998	35.862	.000
(Constant)	-.624	.006		-108.917	.000

The dependent variable is ln(SvO2_VA_LPHG).

Exponential

Model Summary

R	R Square	Adjusted R Square	Std. Error of the Estimate
.998	.995	.995	.009

The independent variable is flow.

ANOVA

	Sum of Squares	df	Mean Square	F	Sig.
Regression	.109	1	.109	1286.049	.000
Residual	.001	6	.000		
Total	.109	7			

The independent variable is flow.

Coefficients

	Unstandardized Coefficients		Standardized Coefficients		
	B	Std. Error	Beta	t	Sig.
flow	.376	.010	.998	35.862	.000
(Constant)	.536	.003		174.435	.000

The dependent variable is ln(SvO2_VA_LPHG).

Logistic

Model Summary

R	R Square	Adjusted R Square	Std. Error of the Estimate
.998	.995	.995	.009

The independent variable is flow.

ANOVA

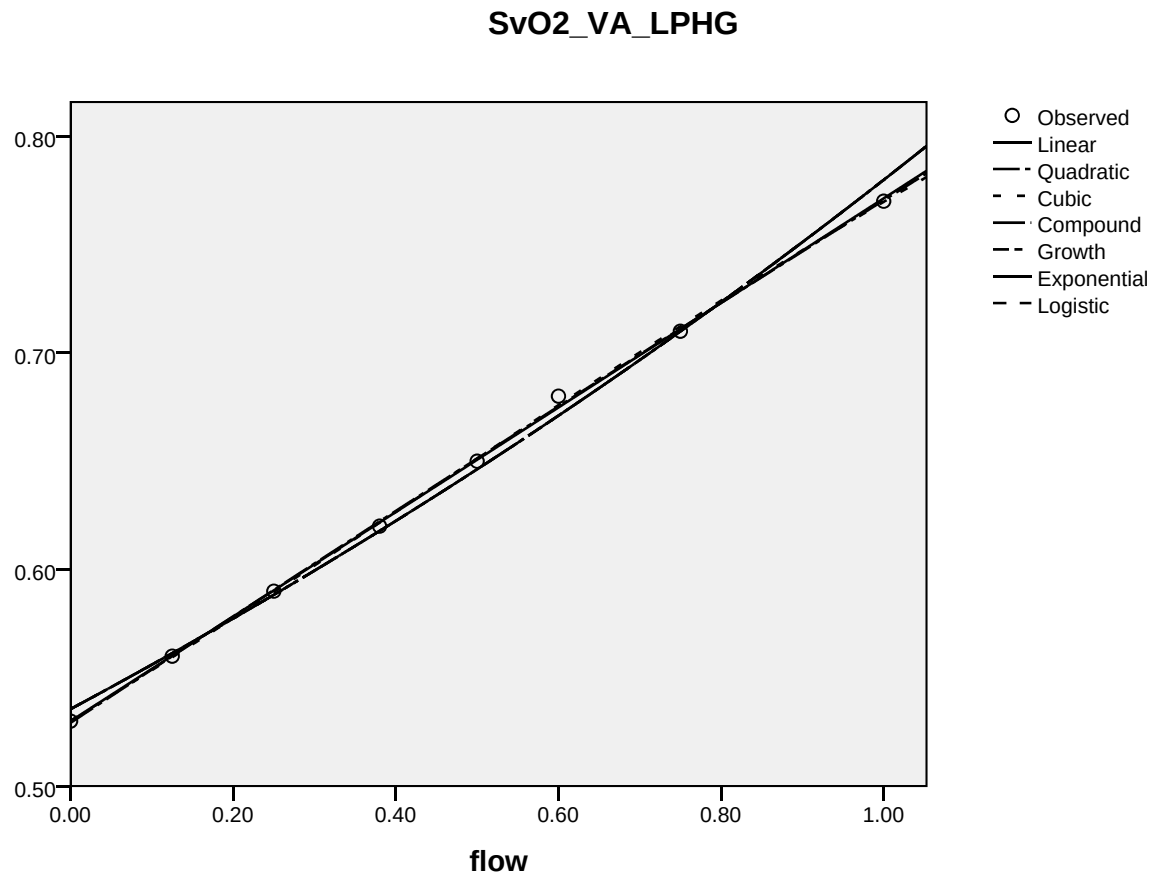
	Sum of Squares	df	Mean Square	F	Sig.
Regression	.109	1	.109	1286.049	.000
Residual	.001	6	.000		
Total	.109	7			

The independent variable is flow.

Coefficients

	Unstandardized Coefficients		Standardized Coefficients		
	B	Std. Error	Beta	t	Sig.
flow	.687	.007	.369	95.443	.000
(Constant)	1.867	.011		174.435	.000

The dependent variable is ln(1 / SvO2_VA_LPHG).



SvO2_VA_LGHG

Linear

ANOVA

	Sum of Squares	df	Mean Square	F	Sig.
Regression	.001	1	.001	8.216	.029
Residual	.000	6	.000		
Total	.001	7			

The independent variable is flow.

Coefficients

	Unstandardized Coefficients		Standardized Coefficients		
	B	Std. Error	Beta	t	Sig.
flow	.029	.010	.760	2.866	.029
(Constant)	.746	.005		136.811	.000

Quadratic

Model Summary

R	R Square	Adjusted R Square	Std. Error of the Estimate
.829	.687	.562	.008

The independent variable is flow.

ANOVA

	Sum of Squares	df	Mean Square	F	Sig.
Regression	.001	2	.000	5.487	.055
Residual	.000	5	.000		
Total	.001	7			

The independent variable is flow.

Coefficients

	Unstandardized Coefficients		Standardized Coefficients		
	B	Std. Error	Beta	t	Sig.
flow	.068	.031	1.802	2.177	.081
flow ** 2	-.040	.030	-1.092	-1.320	.244
(Constant)	.740	.007		110.270	.000

Cubic

Model Summary

R	R Square	Adjusted R Square	Std. Error of the Estimate
.903	.816	.677	.007

The independent variable is flow.

ANOVA

	Sum of Squares	df	Mean Square	F	Sig.
Regression	.001	3	.000	5.901	.060
Residual	.000	4	.000		
Total	.001	7			

The independent variable is flow.

Coefficients

	Unstandardized Coefficients		Standardized Coefficients		
	B	Std. Error	Beta	t	Sig.
flow	.163	.063	4.348	2.587	.061
flow ** 2	-.296	.155	-8.110	-1.905	.130
flow ** 3	.170	.102	4.667	1.671	.170
(Constant)	.735	.007		111.362	.000

Compound

Model Summary

R	R Square	Adjusted R Square	Std. Error of the Estimate
.757	.572	.501	.012

The independent variable is flow.

ANOVA

	Sum of Squares	df	Mean Square	F	Sig.
Regression	.001	1	.001	8.033	.030
Residual	.001	6	.000		
Total	.002	7			

The independent variable is flow.

Coefficients

	Unstandardized Coefficients		Standardized Coefficients		
	B	Std. Error	Beta	t	Sig.
flow	1.039	.014	2.131	74.681	.000
(Constant)	.746	.005		136.490	.000

The dependent variable is ln(SvO2_VA_LGHG).

Growth

R	R Square	Adjusted R Square	Std. Error of the Estimate
.757	.572	.501	.012