

Regression of Concentration Curve 1
y=a+bx+cx**2 08:47 Thursday, January 20, 2005
Weight 1/x**2

Obs	x	a1	a2	y
1	0.313	1068.14	88434	0.01208
2	0.625	1293.20	89301	0.01448
3	2.500	2645.22	92769	0.02851
4	62.500	45458.38	93636	0.48548
5	250.000	173605.75	90168	1.92536
6	500.000	331167.17	91035	3.63780
7	750.000	473526.62	88434	5.35458

Regression of Concentration Curve 2
 $y=a+bx+cx^{**2}$ 08:47 Thursday, January 20, 2005
 Weight $1/x^{**2}$

The REG Procedure
 Model: MODEL1
 Dependent Variable: y

Number of Observations Read 7
 Number of Observations Used 7

Weight: wgt

Analysis of Variance

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	2	0.00027101	0.00013551	10740.2	<.0001
Error	4	5.04673E-8	1.261683E-8		
Corrected Total	6	0.00027106			

Root MSE 0.00011232 R-Square 0.9998
 Dependent Mean 0.01277 Adj R-Sq 0.9997
 Coeff Var 0.87951

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	t Value	Pr > t
Intercept	1	0.00968	0.00004409	219.57	<.0001
x	1	0.00766	0.00007726	99.12	<.0001
x2	1	-6.84058E-7	1.823042E-7	-3.75	0.0199

Regression of Concentration Curve 3
y=a+bx+cx**2 08:47 Thursday, January 20, 2005
Weight 1/x**2

The REG Procedure
Model: MODEL1
Dependent Variable: y

Output Statistics

Obs	Weight Variable	Dependent Variable	Predicted Value	Residual
1	10.2073	0.0121	0.0121	1.014E-6
2	2.5600	0.0145	0.0145	0.0000149
3	0.1600	0.0285	0.0288	-0.000307
4	0.000256	0.4855	0.4856	-0.000146
5	0.0000160	1.9254	1.8814	0.0440
6	4E-6	3.6378	3.6676	-0.0298
7	1.7778E-6	5.3546	5.3683	-0.0137

Sum of Residuals 0
Sum of Squared Residuals 5.04673E-8
Predicted Residual SS (PRESS) 9.712955E-8

NOTE: The above statistics use observation weights or frequencies.

Regression of Concentration Curve 4
y=a+bx+cx**2 08:47 Thursday, January 20, 2005
Weight 1/x**2

Obs	y	x	predx	pct_diff
1	0.01208	0.313	0.313	-0.04231
2	0.01448	0.625	0.627	-0.31203
3	0.02851	2.500	2.460	1.60366
4	0.48548	62.500	62.481	0.03079
5	1.92536	250.000	256.013	-2.40511
6	3.63780	500.000	495.728	0.85431
7	5.35458	750.000	747.931	0.27590