

Regression of Concentration Curve 1  
y=a+bx 09:23 Wednesday, February 9, 2005  
Weight 1/x

Obs	x	a1	a2	y
1	0.1	69194	3259334	0.02123
2	0.5	404576	2840704	0.14242
3	2.5	2081489	3079921	0.67583
4	5.0	4177629	3229432	1.29361
5	10.0	8369911	2930411	2.85622
6	15.0	12562192	2721096	4.61659

Regression of Concentration Curve 2  
 $y=a+bx$  09:23 Wednesday, February 9, 2005  
 Weight  $1/x$

The REG Procedure  
 Model: MODEL1  
 Dependent Variable: y

Number of Observations Read 6  
 Number of Observations Used 6

Weight: wgt

Analysis of Variance

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	1	2.58352	2.58352	1019.47	<.0001
Error	4	0.01014	0.00253		
Corrected Total	5	2.59366			

Root MSE 0.05034 R-Square 0.9961  
 Dependent Mean 0.12686 Adj R-Sq 0.9951  
 Coeff Var 39.68187

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	t Value	Pr >  t
Intercept	1	-0.01042	0.01473	-0.71	0.5185
x	1	0.29210	0.00915	31.93	<.0001

Regression of Concentration Curve 3  
y=a+bx 09:23 Wednesday, February 9, 2005  
Weight 1/x

The REG Procedure  
Model: MODEL1  
Dependent Variable: y

Output Statistics

Obs	Weight Variable	Dependent Variable	Predicted Value	Residual
1	10.0000	0.0212	0.0188	0.002437
2	2.0000	0.1424	0.1356	0.006790
3	0.4000	0.6758	0.7198	-0.0440
4	0.2000	1.2936	1.4501	-0.1565
5	0.1000	2.8562	2.9106	-0.0543
6	0.0667	4.6166	4.3710	0.2456

Sum of Residuals	0
Sum of Squared Residuals	0.01014
Predicted Residual SS (PRESS)	0.02480

NOTE: The above statistics use observation weights or frequencies.

Regression of Concentration Curve 4  
y=a+bx 09:23 Wednesday, February 9, 2005  
Weight 1/x

Obs	y	x	predx	pct_diff
1	0.02123	0.1	0.1083	-8.3442
2	0.14242	0.5	0.5232	-4.6492
3	0.67583	2.5	2.3494	6.0253
4	1.29361	5.0	4.4644	10.7126
5	2.85622	10.0	9.8140	1.8599
6	4.61659	15.0	15.8407	-5.6044