



Model Summary

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate
1	,982 ^a	,964	,953	,50314

a. Predictors: (Constant), cosx, sinx

ANOVA^b

Model		Sum of Squares	df	Mean Square	F	Sig.
1	Regression	46,796	2	23,398	92,427	,000 ^a
	Residual	1,772	7	,253		
	Total	48,568	9			

a. Predictors: (Constant), cosx, sinx

b. Dependent Variable: y

Coefficients^a

Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.
		B	Std. Error	Beta		
1	(Constant)	,544	,165		3,296	,013
	sinx	2,748	,211	,947	13,004	,000
	cosx	1,472	,260	,413	5,663	,001

a. Dependent Variable: y

All the derivatives will be calculated numerically.

Iteration	Residual SS	a	b	c
1	8,962192873	,000000000	2,000000000	1,000000000
1.1	1,772076399	,544245224	2,74818704	1,47185456
2	1,772076399	,544245224	2,74818704	1,47185456
2.1	1,772076399	,544245228	2,74818704	1,47185456

Run stopped after 4 model evaluations and 2 derivative evaluations.
Iterations have been stopped because the relative difference between successive parameter estimates is at most PCON = 1,000E-08

Nonlinear Regression Summary Statistics Dependent Variable y

Source	DF	Sum of Squares	Mean Square
Regression	3	52,71002	17,57001
Residual	7	1,77208	,25315
Uncorrected Total	10	54,48210	
(Corrected Total)	9	48,56849	

R squared = 1 - Residual SS / Corrected SS = ,96351

Parameter	Estimate	Asymptotic Std. Error	Asymptotic 95 % Confidence Interval	
			Lower	Upper
a	,544245228	,165144247	,153741137	,934749320
b	2,748187038	,211327713	2,248476403	3,247897673
c	1,471854565	,259900177	,857288303	2,086420826

Asymptotic Correlation Matrix of the Parameter Estimates

	a	b	c
a	1,0000	-,1683	,1842
b	-,1683	1,0000	,1331
c	,1842	,1331	1,0000

Non-linear Regression

All the derivatives will be calculated numerically.

Iteration	Residual SS	a	b	c	d
1	15,64249045	3,00000000	1,00000000	,000000000	1,00000000
1.1	2,347728835	2,73874552	1,00792506	,442928962	,547217429
2	2,347728835	2,73874552	1,00792506	,442928962	,547217429
2.1	1,645246364	3,08909677	1,02194536	,371327651	,543284789
3	1,645246364	3,08909677	1,02194536	,371327651	,543284789
3.1	1,644765348	3,09228793	1,02072846	,379355296	,544289943
4	1,644765348	3,09228793	1,02072846	,379355296	,544289943
4.1	1,644764197	3,09217971	1,02073632	,379146709	,544210091
5	1,644764197	3,09217971	1,02073632	,379146709	,544210091
5.1	1,644764194	3,09218510	1,02073322	,379165180	,544210822

Run stopped after 10 model evaluations and 5 derivative evaluations.
Iterations have been stopped because the relative reduction between successive residual sums of squares is at most SSCON = 1,000E-08

Nonlinear Regression Summary Statistics Dependent Variable y

Source	DF	Sum of Squares	Mean Square
Regression	4	52,83734	13,20933
Residual	6	1,64476	,27413
Uncorrected Total	10	54,48210	

(Corrected Total) 9 48,56849

R squared = 1 - Residual SS / Corrected SS = ,96614

Parameter	Estimate	Asymptotic Std. Error	Asymptotic 95 % Confidence Interval	
			Lower	Upper
a	3,092185096	,247908738	2,485574268	3,698795924
b	1,020733218	,030665359	,945697788	1,095768649
c	,379165180	,190227492	-,086304726	,844635085
d	,544210822	,171399325	,124811781	,963609862

Asymptotic Correlation Matrix of the Parameter Estimates

	a	b	c	d
a	1,0000	-,1818	,2667	-,0362
b	-,1818	1,0000	-,9061	-,0106
c	,2667	-,9061	1,0000	,1104
d	-,0362	-,0106	,1104	1,0000