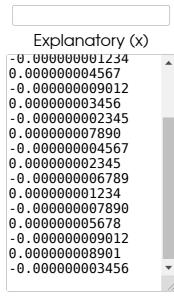
Stats. Blue

Polynomial Regression Calculator

Variable Names (optional):

Data goes here (enter numbers in columns):



-0.0000000007890 0.0000000005678 -0.0000000001234 -0.0000000005678 0.0000000009012 -0.0000000003456 0.0000000004567

Response (y)

-0.000000008901 0.0000000006789 -0.0000000002345 0.000000001234 -0.000000004567 0.000000007890

Include Regression Curve: <

Polynomial Model:

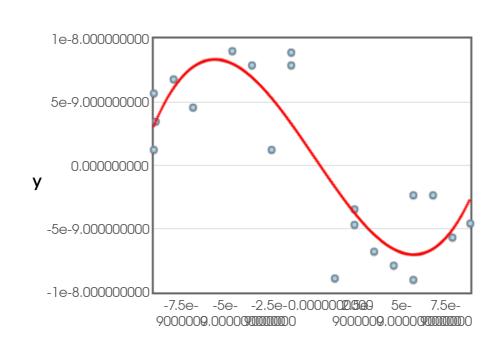
$$y = \beta_0 + \beta_1 x + \beta_2 x^2 + \beta_3 x^3$$

Degree:

3

Increase Degree Decrease Degree

Display output to 4 decimal places
Calculate



Download Scatter Plot JPEG

Regression $y = 21562822812545244.0000x^3 - 4533663.3187x^2 - 2.0491x + 0$ Polynomial:

 $r^2 = 0.7435$ R-squared:

Adjusted R $r_{
m adj}^2=0.7133$

squared:

Residual Standard Error:

0 on 16 degrees of freedom

Coefficient	Estimate	Standard Error	t-statistic	p-value
eta_0	0	0	0.6606	0.5183
eta_1	-2.0491	0.376	-5.4502	0.0001
eta_2	-4533663.3187	28207998.2673	-0.1607	0.8743
eta_3	21562822812545244	6025690948230343	3.5785	0.0025

Analysis of Variance Table

Source	df	SS	MS	F-statistic	p-value
Regression	3	0	0	15.4577	0.0001
Residual Error	16	0	0		
Total	19	0	0		

Residual Plot

