

Variable Names (optional):

Data goes here (enter numbers in columns):

Explanatory (x)

Response (y)

Include Regression Curve: ☒

Polynomial Model:

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

Degree:

3

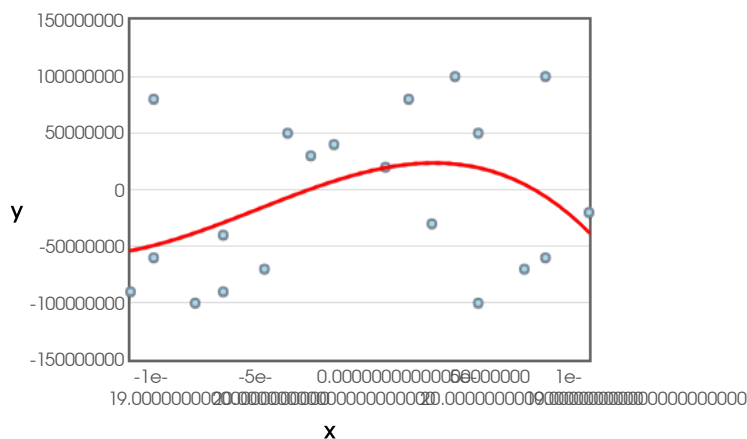
Increase Degree

Decrease Degree

Display output to

4 decimal places ▼

Calculate

[Download Scatter Plot JPEG](#)

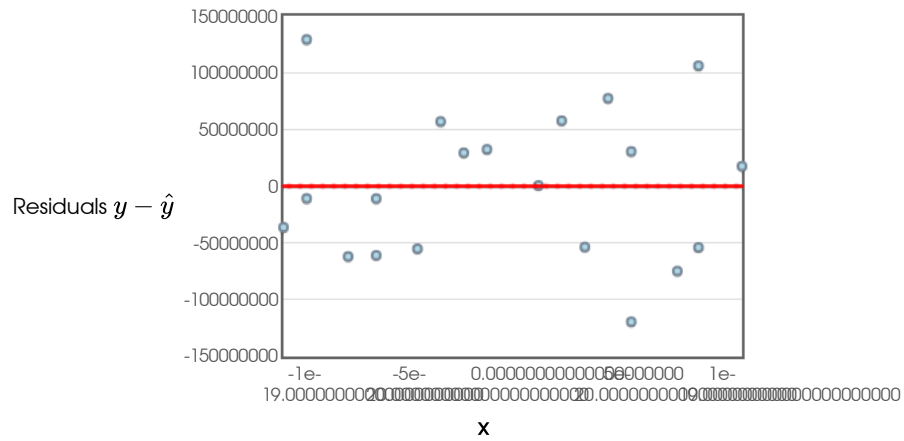
Regression Polynomial:  $y = -3.383782964983211e + 64x^3 - 4.962479654545392e + 45x^2 + 4.82104640584806e + 26x + 14240074.2292$   
R-squared:  $r^2 = 0.1448$   
Adjusted R-squared:  $r^2_{\text{adj}} = 0.0442$   
Residual Standard Error: 71324625.8284 on 16 degrees of freedom  
Error:

Coefficient	Estimate	Standard Error	t-statistic	p-value
$\beta_0$	14240074.2292	25175142.3648	0.5656	0.5795
$\beta_1$	4.82104640584806e+26	5.893125074749216e+26	0.8181	0.4253
$\beta_2$	-4.962479654545392e+45	4.1209073237007034e+45	-1.2042	0.246
$\beta_3$	-3.383782964983211e+64	6.838250279253186e+64	-0.4948	0.6274

Analysis of Variance Table

Source	df	SS	MS	<i>F</i> -statistic	<i>p</i> -value
Regression	3	13784764121482494	4594921373827498	0.9032	0.4613
Residual Error	16	81395235992901600	5087202249556350		
Total	19	95180000114384100	5009473690230742		

Residual Plot

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