


1

x_i	 y_i
42.89522528	0.100422584
41.93222515	0.105453805
41.19265036	0.11017234
40.45257464	0.114804652
39.89468761	0.118793896
39.20896846	0.123116396
38.69728824	0.128176462

34 more rows

[Show all](#)

12.87352656	0.952172669
11.91636082	1.038784016
11.1717915	1.110943314
10.14223009	1.210462219



2

$$\ln(y_1) \sim (c_1 + c_2 x_1 + c_3 x_1^2 + c_4 x_1^3 +$$

STATISTICS ?

RESIDUALS

 $RMSE = 0.003897$ e_1

PARAMETERS

 $c_1 = 1.12579$ $c_2 = -0.0892845$ $c_3 = -0.00042014$ $c_4 = 0.0000215385$ $c_5 = -1.5493 \times 10^{-7}$

3



$$y_1 \sim e^{(c_1 + c_2 x_1 + c_3 x_1^2)} + a$$

STATISTICS

RESIDUALS

 $R^2 = 0.9999$ e_6

PARAMETERS ?

 $c_1 = 1.14144$ $c_2 = -0.0978392$ $c_3 = 0.00012236$ $a = 0.0424733$

4



$$y_1 \sim e^{(c_1 + c_2 x_1 + c_3 x_1^2)}$$

STATISTICS

RESIDUALS

$$R^2 = 0.9999 \quad e_2 \quad \text{plot}$$

PARAMETERS ?

$$c_1 = 1.21366 \quad c_2 = -0.105188$$

$$c_3 = 0.000526343$$

5



$$y_1 \sim c_1 + c_2 x_1 + c_3 x_1^2 + c_4 x_1^3 + c_5 x_1^4$$

STATISTICS

$$R^2 = 0.9999$$

RESIDUALS

$$e_3 \quad \text{plot}$$

PARAMETERS

$$c_1 = 2.91181 \quad c_2 = -0.238371$$

$$c_3 = 0.00833525 \quad c_4 = -0.000140155$$

$$c_5 = 9.2735 \times 10^{-7}$$

6



$$y_1 \sim c_1 + c_2 x_1 + c_3 x_1^2 + c_4 x_1^3 + c_5 x_1^4$$

STATISTICS

$$R^2 = 0.9999$$

RESIDUALS

$$e_4 \quad \text{plot}$$

PARAMETERS

$$c_1 = 2.91274 \quad c_2 = -0.23859$$

$$c_3 = 0.00835453 \quad c_4 = -0.000140953$$

$$c_5 = 9.4303 \times 10^{-7} \quad c_6 = -1.1784 \times 10^{-10}$$

7



$$y_1 \sim c_1 + c_2 x_1 + c_3 x_1^2 + c_4 x_1^3 + c_5 x_1^4$$

STATISTICS

$$R^2 = 0.9999$$

RESIDUALS

$$e_5 \quad \text{plot}$$

PARAMETERS

$$c_1 = 2.46304 \quad c_2 = -0.11117$$

$$c_3 = -0.00591716 \quad c_4 = 0.000670524$$

$$c_5 = -0.0000238617 \quad c_6 = 3.8804 \times 10^{-7}$$