

Using Desmos to Calculate Linear Regression

Use the following link for Desmos:

<https://www.desmos.com/calculator/jwquvmikhr>

Adjust the table by deleting the given date and using your own values for **x** and **y**.

$$X = X_1$$

$$Y = Y_1$$

Adjust your screen to view your scatterplot.

Under your table you will find the values for the linear regression of your table values.

$$y_1 \sim mx_1 + b$$

STATISTICS

$$r^2 = 0.7376$$

$$r = 0.8589$$

PARAMETERS

$$m = 0.972305$$

RESIDUALS

$$e_1$$

plot

$$b = 2.02769$$

r = Correlation Coefficient

m = slope (a in the notes)

b = y-intercept