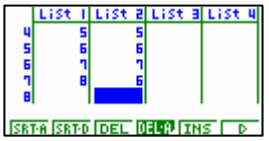
Statistical graphs –Bivariate Part 1

Select STAT mode from the main menu by using the arrow keys to highlight the STAT icon or pressing 2.

Example:

Enter the following 2 variable statistics and graph a linear regression model of the data.

Student	Mathematics x	English y
a	2	2
b	3	3
c	4	3
d	5	5
e	6	6
f	7	7
g	8	6

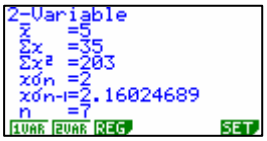


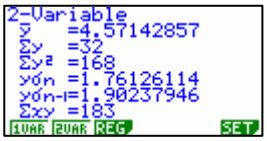
Set up the lists so the List 1 is the Mathematics (x values), List 2 is the English (y values).

Setting up for the data to be calculated in regression format (this calculator model performs a ***Least Squares regression*** model, is done by pressing F2 for **Calc** then F6 for SET

Press the appropriate **F** keys to alter the **2Var XList , 2Var YList** and **2Var Freq**.

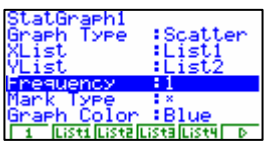
Then press EXIT and F2 for the summary statistics as shown below.





Setting up for the data to graph in regression format. This is done by pressing F1 for **GRPH**, then F6 for SET

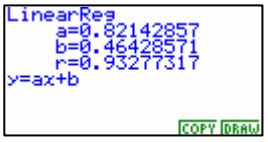
Press the appropriate **F** keys to alter the settings for a Scattergraph.

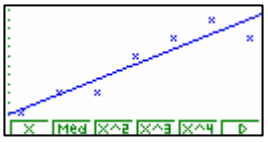


Then press EXIT and F1 for **GPH1**(statistical graph #1) for the statistical graph – a scattergraph.

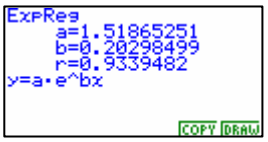
Press the appropriate **F** keys to 'fit' the data with a mathematical model.

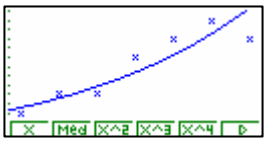
linear model



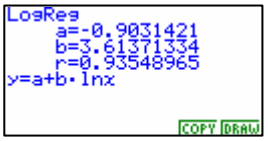


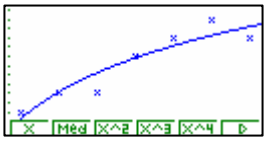
exponential model





logarithmic model





For further tips, more helpful information and software support visit our website
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