

CAS and Scatterplots

To make a scatterplot on your calculator start by making a *Lists & Spreadsheets* page from the home screen.

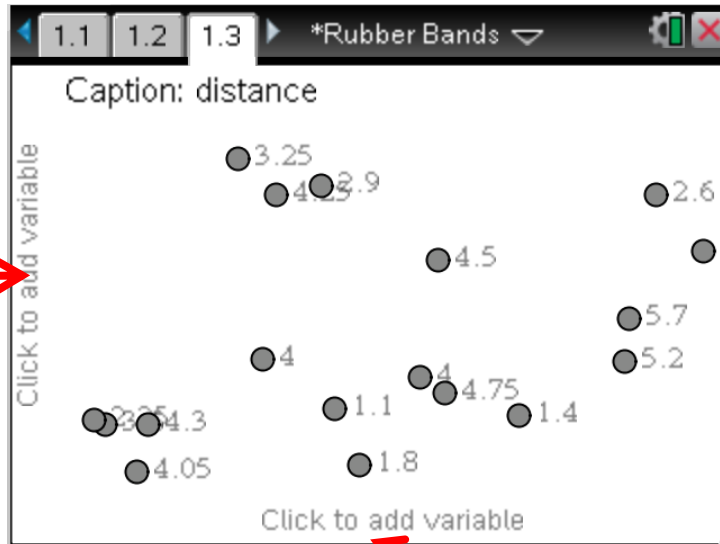


Into this page add all the data you have collected or been given. **Make sure you name each column.**

Now go back to the home screen and make a *Data & Statistics* page.



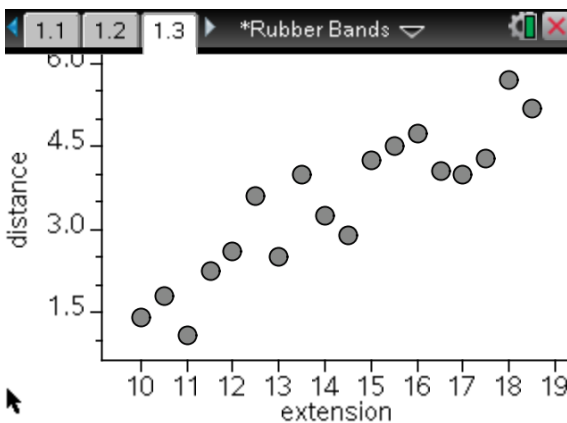
It should look something like this.



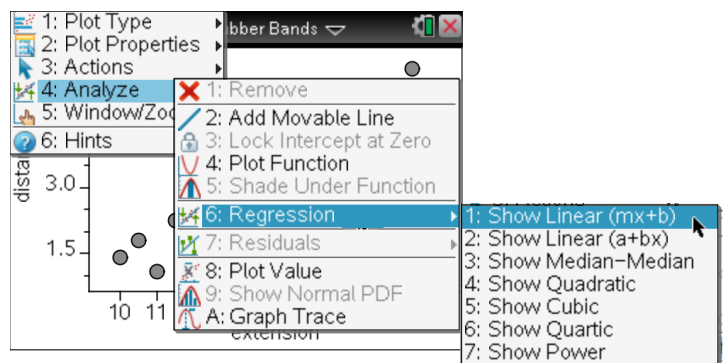
Move your cursor over here and select the *Dependent Variable*.

Move your cursor over here and select the *Independent Variable*.

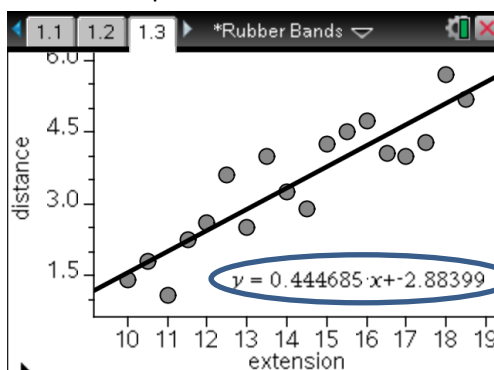
This should make the graph look something like this.



You can add a line of best fit to this graph by choosing Menu – Analyze – Regression – Show Linear (mx+b)



Your scatterplot will now look like this



This is the equation of the line of best fit.

You can now find Pearson's Correlation Coefficient by going to the home screen and making a Calculator screen. Then type *stat.r*

