



Fitting in JASON

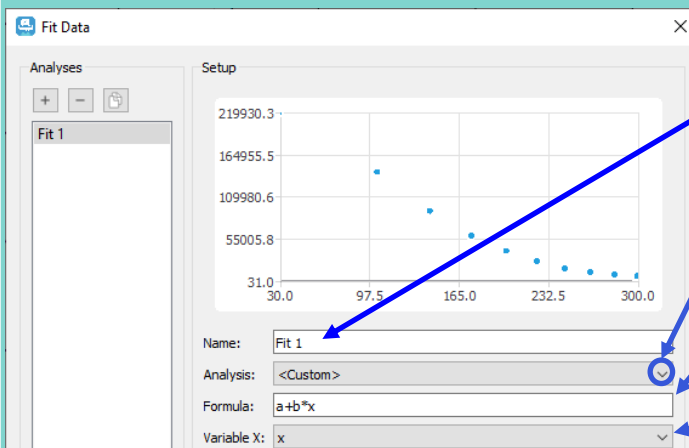
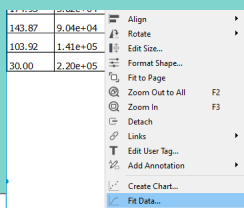
a Cheat Sheet

Fitting makes most sense from an arrayed table, but in principle, can be done from any table.



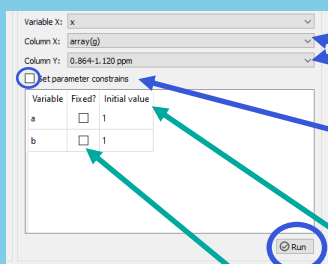
Creating a fit

- Right click on the table, select Fit Data

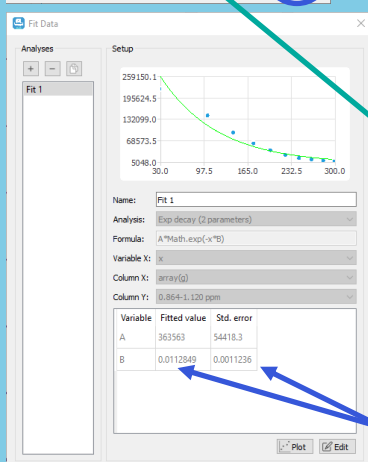


- Edit the name of the fit
- Select from the analysis drop down (there are some predefined fitting functions, or you can supply a custom function)
- In the case of a custom function, the formula box becomes editable
- Set the x variable, again, it is only editable if you are using a custom formula

Setting the fit



- Choose the x and y columns from the combo boxes (these correspond to columns in the table)
- If you want to constrain parameters, tick the box, otherwise the fitting can vary the parameters completely. If you tick this, then extra cells appear to set the upper and lower constraints



- The initial values are shown in the table, and a black line is plotted on the chart which graphs the function using these initial parameters - basically you can see how good your initial guess is
- Custom functions can have fixed parameters as well, tick the appropriate box in the table and this parameter will not be varied by the fit.
- Then press **run**

The table will now show the fitted parameters and their standard errors

Generating the fit

- Pressing plot will generate a plot of the data and the fit
- Edit will allow you to go back and change things

