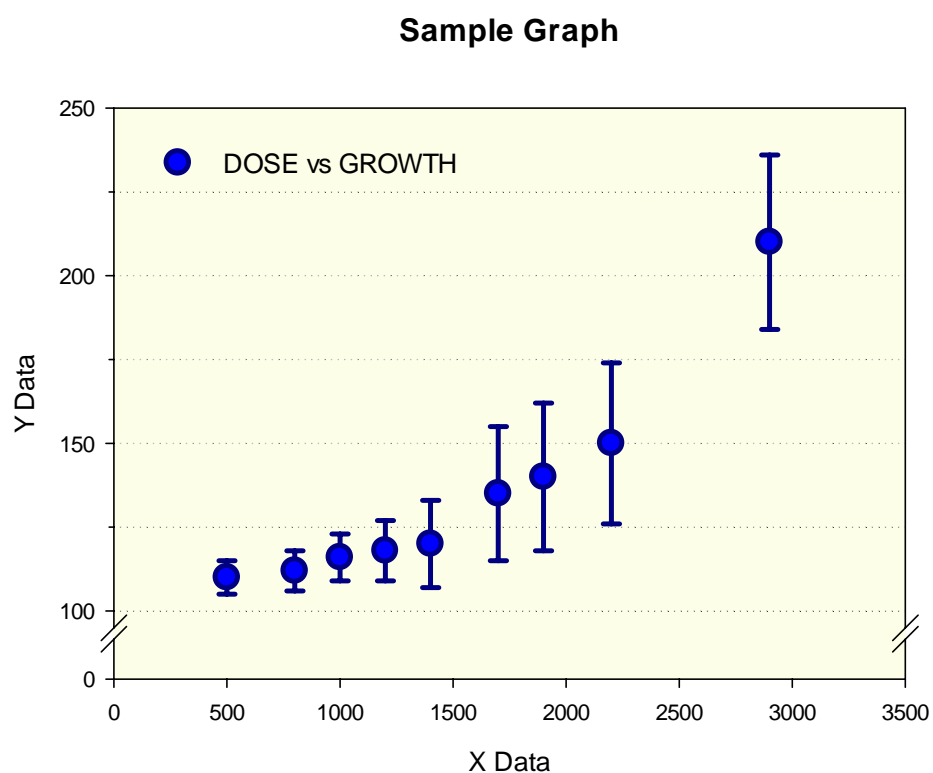


First Steps with SigmaPlot

Excel-Import, XY-Plot

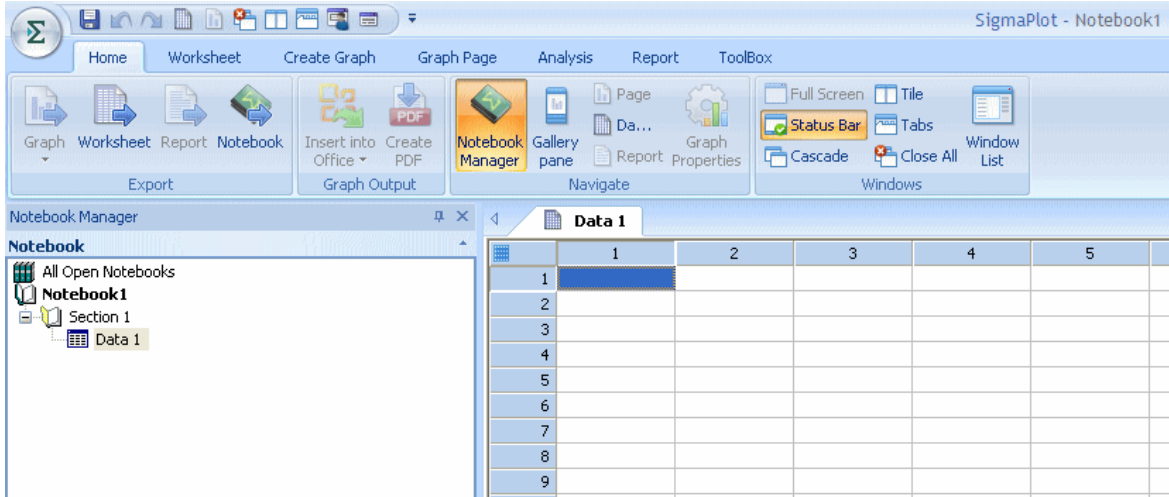


Excel-Import, XY-Plot: Overview

1. Start SigmaPlot.
2. Import an Excel file.
3. Create an XY Line and Scatter Plot with error bars.
 - Dialog Create Graph - Type
 - Dialog Create Graph - Style
 - Select the data
4. Export the graph in a graphics file format (JPG, PNG, TIF, EPS).
5. Close the SigmaPlot notebook file, and close SigmaPlot.

1. Start SigmaPlot

with a double-click on the desktop icon, or with Program files > SigmaPlot > SigmaPlot 14. In the Startup screen ("QuickStart") select "Create new blank notebook", and click on OK.



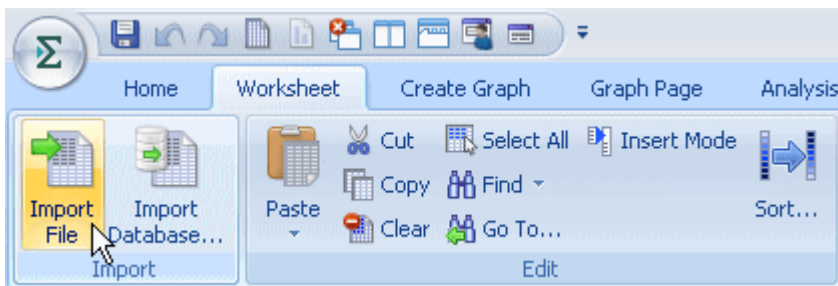
2. Import an Excel file

with three columns for X, Y, and error bar values. Here is a sample Excel file, with field names in the first row of the worksheet.

View in Excel:

	A	B	C	D
1	DOSE	GROWTH	SE	
2	500	110	5	
3	800	112	6	
4	1000	116	7	
5	1200	118	9	
6	1400	120	13	
7	1700	135	20	
8	1900	140	22	
9	2200	150	24	
10	2900	210	26	
11				

Using SigmaPlot Worksheet-Ribbon > Import File, import from the Excel file.



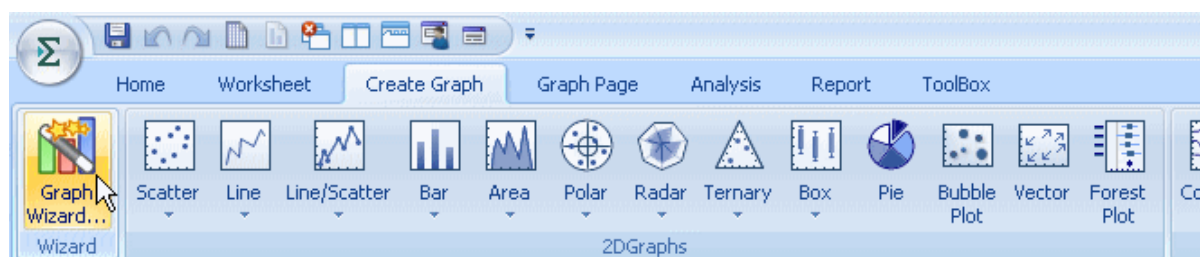
	1-DOSE	2-GROWTH	3-SE	
1	500,000	110,000	5,000	
2	800,000	112,000	6,000	
3	1000,000	116,000	7,000	
4	1200,000	118,000	9,000	
5	1400,000	120,000	13,000	
6	1700,000	135,000	20,000	
7	1900,000	140,000	22,000	
8	2200,000	150,000	24,000	
9	2900,000	210,000	26,000	
10				

The field names in row 1 of the Excel file have automatically been applied to the column titles, and will be used in the graph legend.

(Of course you can also enter data with the keyboard instead of importing a file. You can enter and modify column titles with a double-click on the column title cells, or use Worksheet-Ribbon > Cells section > Titles.)

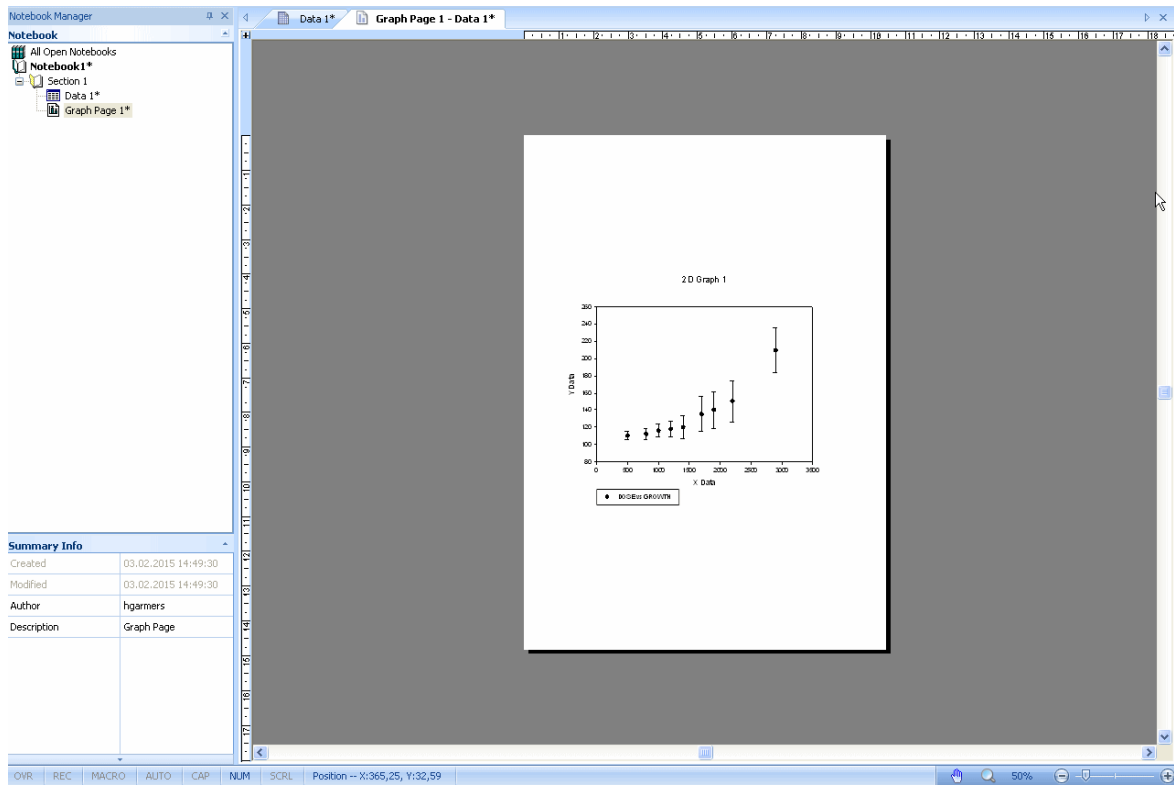
3.3. Create an XY Line and Scatter Plot with error bars

In the Create Graph ribbon start the Graph Wizard, and click on „Next“ in the following dialogs.



In the dialog select

- "Create Graph - Type": *Scatter Plot*. > Next
- "Create Graph - Style": *Simple Error Bars* > Next
- "Create Graph - Error Bars", under "Symbol values": *Worksheet Columns* > Next
- "Create Graph - Data Format", under "Data format": *XY Pair* > Next
- "Create Graph - Select Data"> for *X, Y and Error*:
For each of the three columns 1-3, select the column from the dropdown list, or click on the column title at the top of the worksheet to select the column.
(To modify the column selection, select a row in the dropdown list, and select again.)
- "Finish" - Click on "*Finish*". The graph is displayed on a new graph page, and the graph page item appears in the Notebook Manager.



You can move the graph on the page, copy, paste, and transfer it via the clipboard to Word, PowerPoint etc. Click on the graph to select it. With rightclick > copy or with Ctrl-C you copy it to the clipboard.

Using the handles (little black squares) at the corners and at the midpoints of the graph's edges, you can resize the graph by dragging the handles inside or outside.

Zoom

In the status row you find the Zoom Tools at the lower right edge of the screen (slider, buttons, magnifying glass, percentages field). With these tools, you can resize the visible portion of the page.

Graph Editing

With the Graph Properties dialog and with the Mini-Toolbars you can edit the graph: symbol type, colors, titles, axes etc.

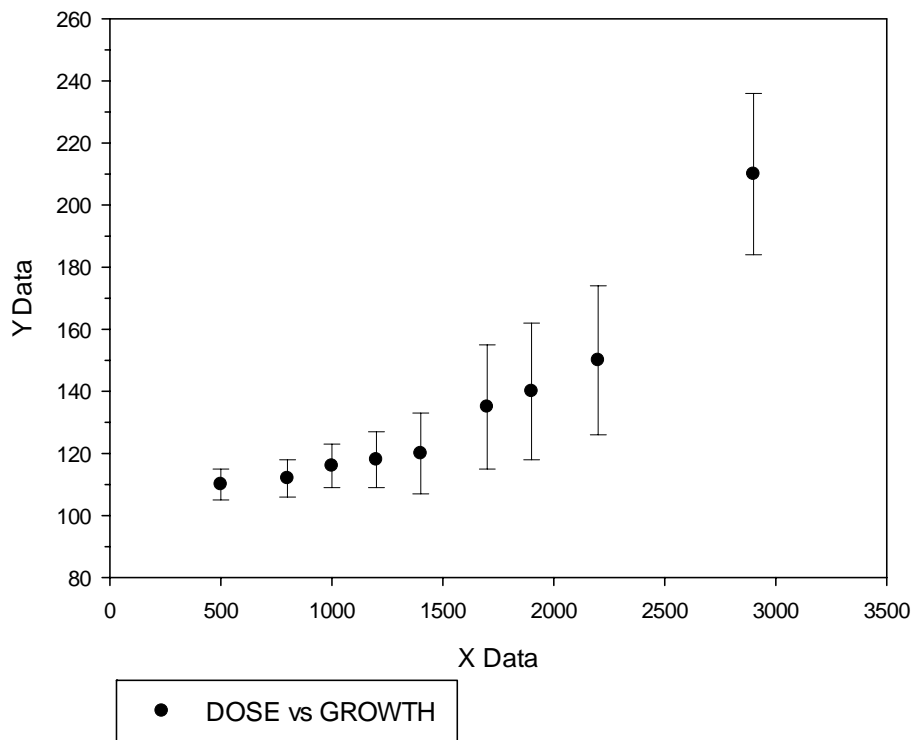
a) Double-click on the graph to open the Graph Properties dialog.

Or:

b) Click on an element of the graph to open a mini-toolbar with some editing icons which are suitable for the selected type of element (symbol type and color with a symbol, font type and size with an axis or graph title etc.).

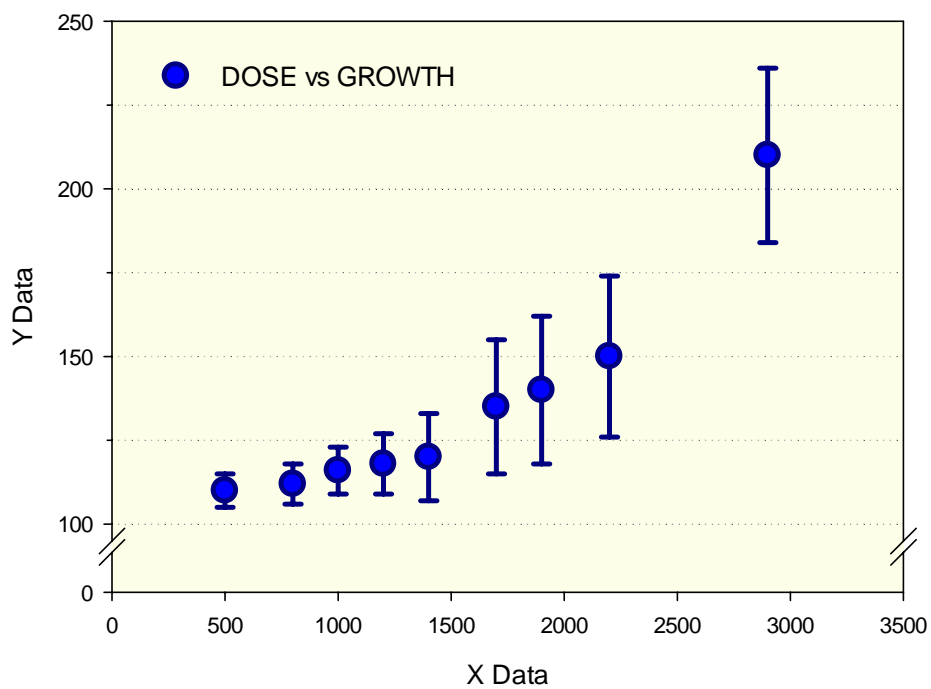
from

2D Graph 1



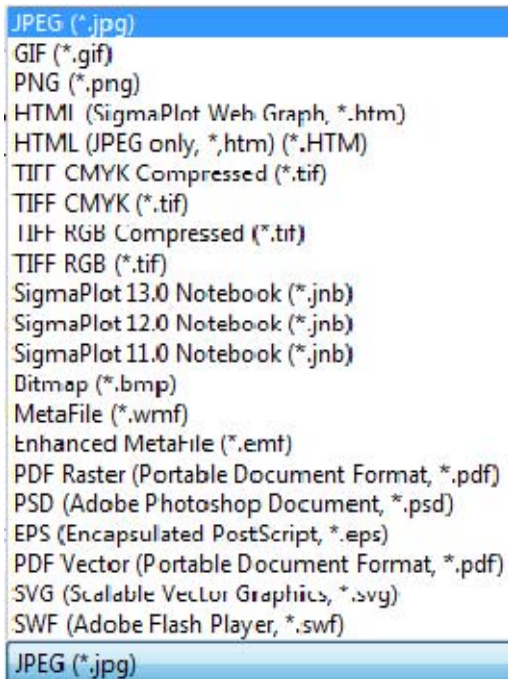
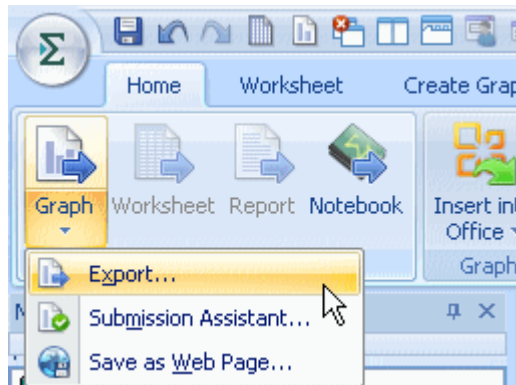
to

Sample Graph



4. Export the graph in a graphics file format (JPG, PNG, TIF, EPS etc.)

In the Home-Ribbon click on Graph > Export. SigmaPlot shows the list of available export formats. In the following dialog you can set graph size, resolution, and color depth



5. Save the SigmaPlot notebook file, and close SigmaPlot

Click on the „Main“ button (Sigma button) in the upper left corner, and then on "Save as". Give it a name and save the SigmaPlot notebook (.JNB) file. A click on Exit closes the program.

