

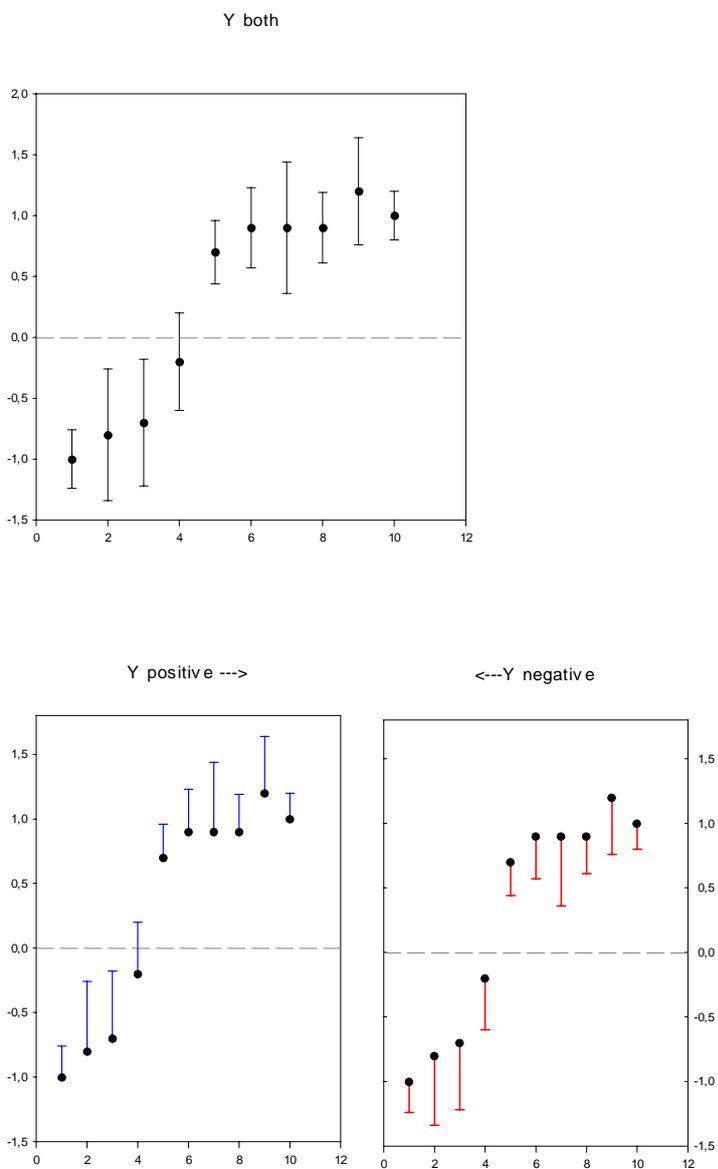
Error Bar Directions

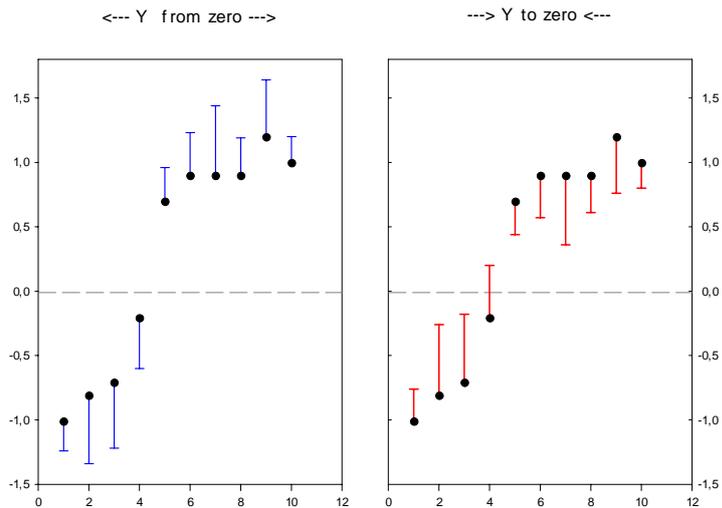
You can set the direction of error bars in SigmaPlot's Graph Properties dialog: Plot > Error Bars > Direction. These are the options:

1. Both
2. Absolute, positive and negative
3. Relative, from zero and to zero

You can even set the direction for each error bar individually by entering the direction into the worksheet, and applying it to the graph (see below).

Example





Each error bar individually

You can set the direction for each error bar individually by entering the direction into the worksheet, and applying it to the graph.

1. In a separate column of the worksheet, enter the direction for each error bar in the same row as its symbol value:

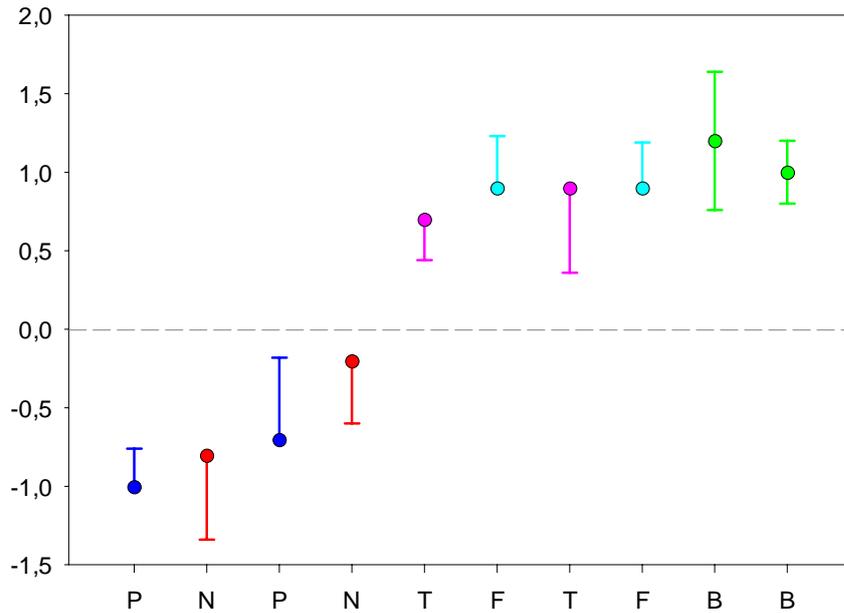
- P - positive
- N - negative
- T - to zero
- F - from zero
- B - both

	1-X Data	2-Y Scatter 1	3-Y 1 Error	4-Error Bar Direction	5	6-Color
1	1,0000	-1,0000	0,2400	P	positive	
2	2,0000	-0,8000	0,5400	N	negative	
3	3,0000	-0,7000	0,5200	P	positive	
4	4,0000	-0,2000	0,4000	N	negative	
5	5,0000	0,7000	0,2600	T	to zero	
6	6,0000	0,9000	0,3300	F	from zero	
7	7,0000	0,9000	0,5400	T	to zero	
8	8,0000	0,9000	0,2900	F	from zero	
9	9,0000	1,2000	0,4400	B	both	
10	10,0000	1,0000	0,2000	B	both	
11						

Here we use column 4.

2. In the Graph Properties dialog > Plot > Error Bars > Direction, select this column from the end of the dropdown list. This will apply the error bar direction from the column to each symbol in the plot.

Error Bar Direction from Column



NOTE:

In this graph, the method "Properties from worksheet columns" has also been used for the X axis tick labels, and for the symbol and error bar colors.

1

X axis tick labels

Graph Properties dialog > Axis > Major Tick Labels > Type: Column 4 ("Error Bar Direction")

2

Symbol and error bar colors

a) Enter the desired colors into a separate worksheet column. From the Worksheet ribbon > Graphic Cells > Color, enter them into the worksheet.

b) Graph Properties dialog > Plot > Symbols > Fill color, and Graph Properties dialog > Error Bars > Line > Color: Select the "Color" column from the end of the dropdown list.

In the next TechTip: Asymmetric Error Bars.