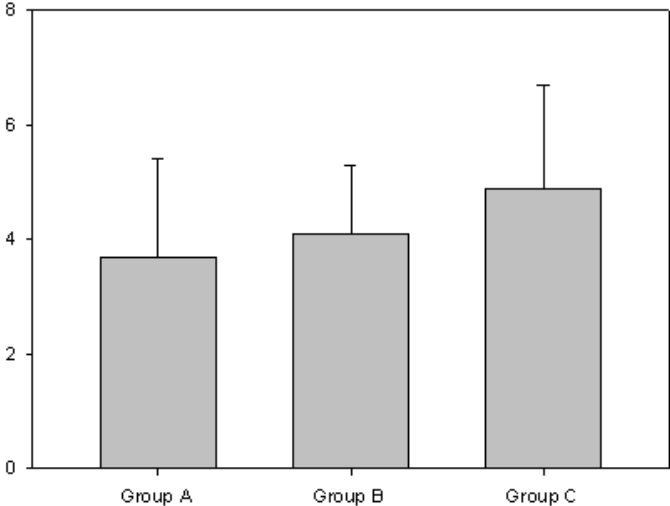


Using Column Titles as Tick Labels, with a User-Defined Transform

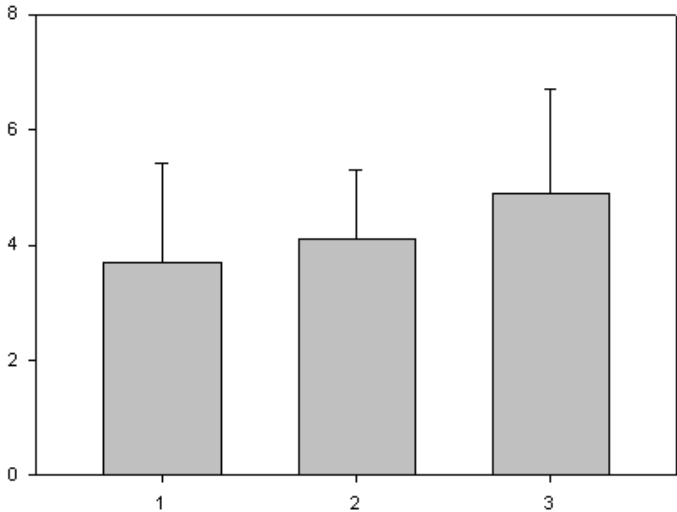
You have a worksheet with column titles for your data, e.g. „Group A“, „Group B“, „Group C“, and you want the column titles displayed as X axis tick labels.



a) Here are your data.

	1-Group A	2-Group B	3-Group C
1	1,0000	5,0000	7,0000
2	2,0000	4,0000	4,0000
3	3,0000	3,0000	5,0000
4	5,0000	6,0000	8,0000
5	4,0000	5,0000	3,0000
6	3,0000	4,0000	2,0000
7	5,0000	4,0000	6,0000
8	4,0000	3,0000	5,0000
9	7,0000	5,0000	4,0000
10	3,0000	2,0000	5,0000

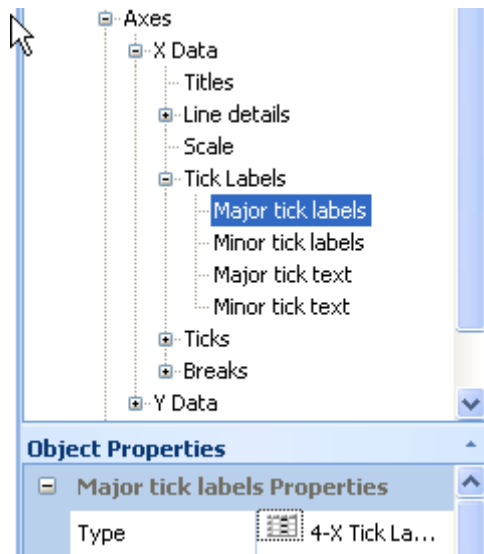
You create a graph from these data, e.g. a Many Y bar graph.



b) To use the column titles for the X axis tick labels:
 Enter the column titles into the next free worksheet column (here: column 4), and apply them as tick labels to the graph.

	1-Group A	2-Group B	3-Group C	4-X Tick Labels
1	1,0000	5,0000	7,0000	Group A
2	2,0000	4,0000	4,0000	Group B
3	3,0000	3,0000	5,0000	Group C
4	5,0000	6,0000	8,0000	
5	4,0000	5,0000	3,0000	
6	3,0000	4,0000	2,0000	
7	5,0000	4,0000	6,0000	
8	4,0000	3,0000	5,0000	
9	7,0000	5,0000	4,0000	
10	3,0000	2,0000	5,0000	

In the Property Browser, select " Axes > Tick Labels > Major Tick Labels".
Open the dropdown list in the "Type" field, and select this column : column 4.



The row values from the first to the last row of column 4 are applied to the axis ticks from left to right.

c) Copying multiple column titles at once, with a User-Defined Transform:

In a (User-Defined) transform, you can copy and transpose/paste the multiple column titles into a worksheet column at once.

From the worksheet, open a transform edit window: Analysis > User-Defined:

Type the following text into the edit window, or paste it, using the Ctrl-V keyboard shortcut.

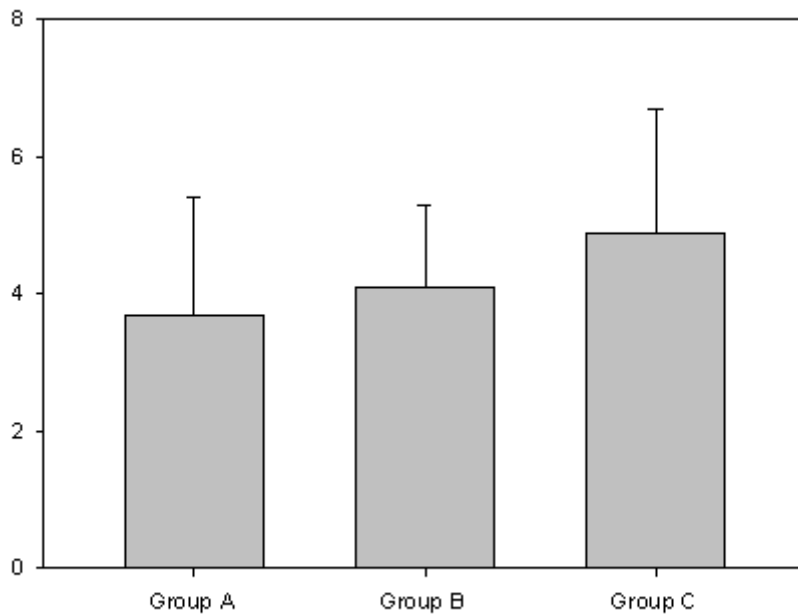
```
'Transpose and paste column titles into a column
' --> Edit the "first" and "last" column numbers here accordingly.
' --> The row number of column titles = 0.
first = 1
last = 3
TickLabels = last + 1

for i=first to last do
    cell(TickLabels;i)=cell(i;0)
end for
```

(If your operating system is set to decimal sign = point, and list separator = comma, please replace the last 3 lines at the end of the transform with the following lines, and see the NOTE at the end of this text.)

```
for i=first to last do
    cell(TickLabels,i)=cell(i,0)
end for
```

Run the transform, and all column titles from "first" to "last" are written with a single click. Apply them to the graph:



NOTE on decimal symbol and list separator in user-defined transforms:

SigmaPlot reads and applies the settings for decimal symbol and list separator each time when it starts. There are two valid combinations: "comma decimal" and "point decimal".

Either

decimal symbol: point
list separator: comma

or

decimal symbol: comma
list separator: semicolon

These settings affect typing data into the worksheet, importing from text files, the transforms language, and the fit equation syntax.

You set this combination in the Windows Control Panel > Region and Language > Additional settings. You can also get there from within SigmaPlot: Main > Options > Worksheet > Date and Time > Regional Settings