

PX-Edit 3.3

Charts

Rain graphics

- PX-Edit charts are made with Adrian *Smith's* (www.sharpplot.com) graphics engine called *Rain*
 - all the *Rain* graphics is handled internally as PostScript
- PX-Edit supports five different chart types:
 - **line chart** (at most 200 observations at time as default)
 - bar chart (at most 50 observations)
 - horizontal bar chart (at most 50 observations)
 - pie chart (when just one row or column is selected)
 - pyramid chart (when two rows or columns are selected)

Chart creation

Step one: the table

- If the table is already in px format, just open it in PX-Edit
- The table (which often comes from Excel) needs to be formatted as a **structured** table before importing to PX-Edit
 - the table **title** must be in the first cell
 - the **variable** names and their value texts are given in corresponding rows and columns
 - column variables: the names are in the leftmost column
 - row variables: the names are in the same row beneath the column variables
 - **two empty lines** (e.g. before the footers) stop the table reading

Example of a structured table (note the empty cells)

A		B	C	D	E	F	G	H
1	Table title							
2	3rd variable (column variable)		value text 3/1		value text 3/2		value text 3/3	
3	4th variable (column variable)		value text 4/1	value text 4/2	value text 4/1	value text 4/2	value text 4/1	value text 4/2
4	1st variable (row variable)	2nd variable (row variable)						
5	value text 1/1	value text 2/1	1111	1112	1121	1122	1131	1132
6		value text 2/2	1211	1212	1221	1222	1231	1232
7		value text 2/3	1311	1312	1321	1322	1331	1332
8	value text 1/2	value text 2/1	2111	2112	2121	2122	2131	2132
9		value text 2/2	2211	2212	2221	2222	2231	2232
10		value text 2/3	2311	2312	2321	2322	2331	2332
11								
12								
13	table footer							
14								

Step two: arrange the variables

- The chart will be created from **consecutive** rows and columns
 - one row or column: pie chart
 - two rows or columns: pyramid
- Data range arranging
 - variables may be rearranged (*Metadata/View*)
 - variable values may be sorted (*Metadata/Sort*)
 - needed variable values may be selected (*Metadata/Select*)
 - the data range for the chart starts from the **selected** data cell (anchor cell)

Step three: selections

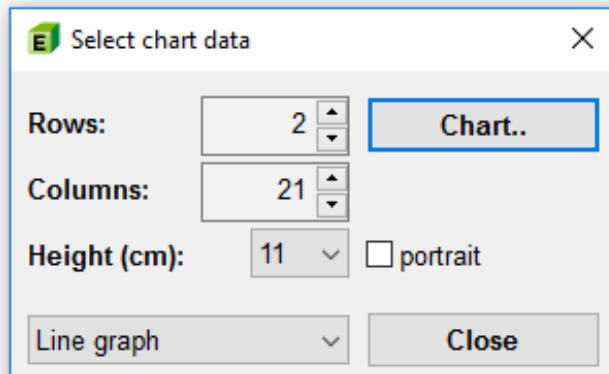
- The selection window opens with *Edit/Graph..* or using **Ctrl+g** shortcut or right-clicking the anchor cell and selecting *Graph..* in the popup menu
- The data range is selected from the [anchor cell](#)
 - NB: too much data will make the chart unusable
- There are other selections, too
 - the chart height (cm)
 - the chart type
 - chart orientation
- Pressing **Chart** will create the chart in a new window

Step four: fine-tuning and saving

- Double-clicking the window pane opens the *Settings* window
 - four tabs: *Headers*, *Chart*, *Axes* and *Legend*
 - basic settings follow Statistics Finland's standards
 - the **legend positioning** usually needs to be set
 - getting the desired result may take time because there are so many settings
- Right-clicking the window opens the *Chart* menu, which allows:
 - saving to different **file types** (png, eps, pdf, svg and vml)
 - copying to clipboard and printing
 - saving and loading the chart setting files (pxg)

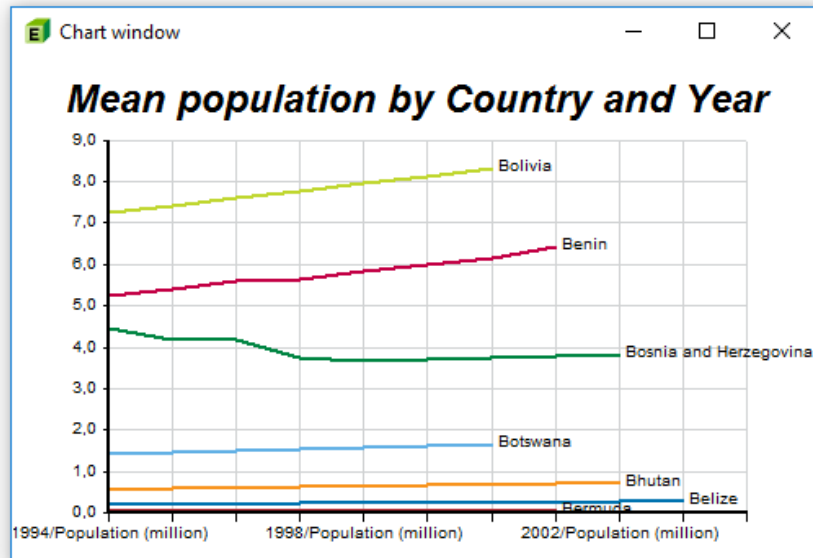
User interface

Data selection



- Double-clicking the *Rows* or *Columns* field will set default values
- Pressing **Ctrl** key and double-clicking the *Rows* or *Columns* field will set the maximum table value (use with care)
- The chart may have either landscape (default) or portrait orientation
- Used settings are remembered throughout the session

Chart window



- The chart will be drawn according to the chart type settings
- PX-Edit will save the settings for each chart type
 - chart **templates** (settings files) might make standard chart creation easier
- Open the *Chart settings* window by **double-clicking** the chart (or using the *Chart* menu)

Chart settings

Chart settings

Headers Chart Axes Legend

☒ Chart headings

Mean population by Country and Year

-- enter subheading --

adjust centre ☐ bottom ☐ separator line

☐ opaque newline ; ☐ soft hyphen ~

Labels

1994/Population (million)

1995/Population (million)

1996/Population (million)

1997/Population (million)

1998/Population (million)

1999/Population (million)

2000/Population (million)

☐ opaque Remove first values Remove last values

☐ Value tags

adjust centre placement on top style normal

☐ opaque ☐ cumulative values decimals 1

☐ Data range

minimum 0 maximum 8,33

Reset OK Close

- Chart elements can be adjusted
 - probably only a few adjustments are necessary for everyday chart production
- Only the settings that apply to the current chart type are active
- **Reset**: return to the defaults
- **OK**: create a new chart
- **Close**: discard changes

Headers Tab

The 'Chart settings' dialog box, Headers tab, is shown. It contains the following sections:

- Chart headings:** A checked checkbox. Below it is a text field containing 'Mean population by Country and Year' and a font button [Aa]. Below that is a text field for a subheading, currently showing '-- enter subheading --', with another font button [Aa].
- Adjust:** A dropdown menu set to 'centre'. To its right is an unchecked checkbox for 'bottom'.
- Separator line:** An unchecked checkbox.
- Opaque:** An unchecked checkbox.
- Newline:** A dropdown menu showing a semicolon and space (;).
- Soft hyphen:** A dropdown menu showing a tilde (~).
- Labels:** A list box containing the following items: '1994/Population (million)', '1995/Population (million)', '1996/Population (million)', '1997/Population (million)', '1998/Population (million)', '1999/Population (million)', and '2000/Population (million)'. A font button [Aa] is to the right of the list.
- Remove first values:** A button.
- Remove last values:** A button.
- Value tags:** An unchecked checkbox. Below it are 'adjust' (dropdown, 'centre'), 'placement' (dropdown, 'on top'), 'style' (dropdown, 'normal'), and 'decimals' (dropdown, '1').
- Opaque:** An unchecked checkbox.
- Cumulative values:** An unchecked checkbox.
- Data range:** An unchecked checkbox. Below it are 'minimum' (text field, '0') and 'maximum' (text field, '8,33').
- Buttons:** 'Reset', 'OK', and 'Close' at the bottom.

- *Chart headings* switch controls whether the heading (and sub-heading) is drawn along the chart
- The default chart heading is the table heading (usually the *TITLE* keyword)
- Double-clicking the *Font* button [Aa] opens the corresponding font selection window

The 'Heading font' dialog box is shown. It contains the following elements:

- Font family:** A dropdown menu set to 'Arial'.
- Font size:** A dropdown menu set to '24'.
- bold:** A checked checkbox.
- italic:** A checked checkbox.
- Color:** A color swatch showing black.
- Buttons:** 'OK' and 'Close' at the bottom.

Headings

Chart settings

Headers | Chart | Axes | Legend

☒ Chart headings

Mean population by Country and Year **Aa**

-- enter subheading -- **Aa**

adjust: **centre** ☐ bottom ☐ separator line

☐ opaque newline **:** soft hyphen **~**

Labels

1994/Population (million) **Aa**

1995/Population (million)

1996/Population (million)

1997/Population (million)

1998/Population (million)

1999/Population (million)

2000/Population (million)

☐ opaque Remove first values Remove last values

☐ Value tags **Aa**

adjust: **centre** placement: **on top** style: **normal**

☐ opaque ☐ cumulative values decimals: **1**

☐ Data range

minimum: **0** maximum: **8,33**

Reset OK Close

- The chart heading may be **aligned** left, right or centred; and it may be drawn on top (default) or at the bottom
 - these selections also affect the possible **subheading**
 - the **opaque** switch draws the heading on top of the chart
 - the **separator line** switch creates a separating line between the heading and the chart
 - the **newline** and **soft hyphen** characters can be set (they affect the way all text lines are being split)

Labels

Chart settings

Headers Chart Axes Legend

☒ Chart headings

Mean population by Country and Year Aa

-- enter subheading -- Aa

adjust centre ☐ bottom ☐ separator line

☐ opaque newline ; soft hyphen ~

Labels

1994/Population (million) Aa

1995/Population (million)

1996/Population (million)

1997/Population (million)

1998/Population (million)

1999/Population (million)

2000/Population (million)

☐ opaque Remove first values Remove last values

☐ Value tags Aa

adjust centre placement on top style normal

☐ opaque ☐ cumulative values decimals 1

☐ Data range

minimum 0 maximum 8,33

Reset OK Close

- The editable list shows chart labels using the chart font
- **Labels** are made by joining the selected value texts of the row or column variables with a slash (/)
 - if all the labels have the same prefix, it will be discarded
- **Remove values** buttons make it possible to drop either the first or last variable value texts
- The *opaque* switch draws the labels on top of the chart

Value tags

Chart settings

Headers Chart Axes Legend

☒ Chart headings

Mean population by Country and Year Aa

-- enter subheading -- Aa

adjust centre ☐ bottom ☐ separator line

☐ opaque newline ; ☐ soft hyphen ~

Labels

1994/Population (million) Aa

1995/Population (million)

1996/Population (million)

1997/Population (million)

1998/Population (million)

1999/Population (million)

2000/Population (million)

☐ opaque Remove first values Remove last values

☐ Value tags Aa

adjust centre placement on top style normal

☐ opaque ☐ cumulative values decimals 1

☐ Data range

minimum 0 maximum 8,33

Reset OK Close

- Value tags may be **adjusted** and **positioned** according to the picture element, and the **shown decimals** may be set, too
- The **cumulative values** switch calculates cumulated values (for bar charts)
- The tags may be **opaque**, and they may have different styles

Data range

The screenshot shows the 'Chart settings' dialog box with the 'Chart' tab selected. The 'Data range' section is located at the bottom and includes the following options:

- ☐ **Data range**
 - minimum: 0
 - maximum: 8,33

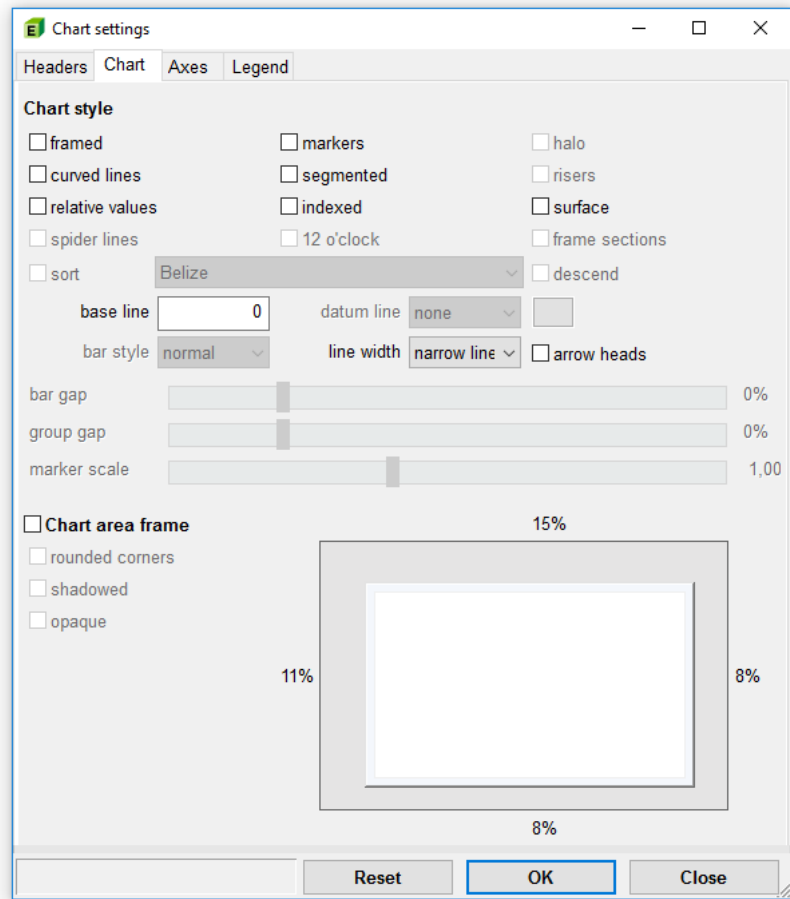
Other visible sections include:

- Chart headings**: ☒. Main heading: 'Mean population by Country and Year'. Subheading: '-- enter subheading --'. Adjust: 'centre'. ☐ bottom. ☐ separator line. ☐ opaque. Newline: ';'. Soft hyphen: '~'.
- Labels**: A list of labels from '1994/Population (million)' to '2000/Population (million)'. ☐ opaque. Buttons: 'Remove first values', 'Remove last values'.
- Value tags**: ☐. Adjust: 'centre'. Placement: 'on top'. Style: 'normal'. ☐ opaque. ☐ cumulative values. Decimals: '1'.

Buttons at the bottom: 'Reset', 'OK', 'Close'.

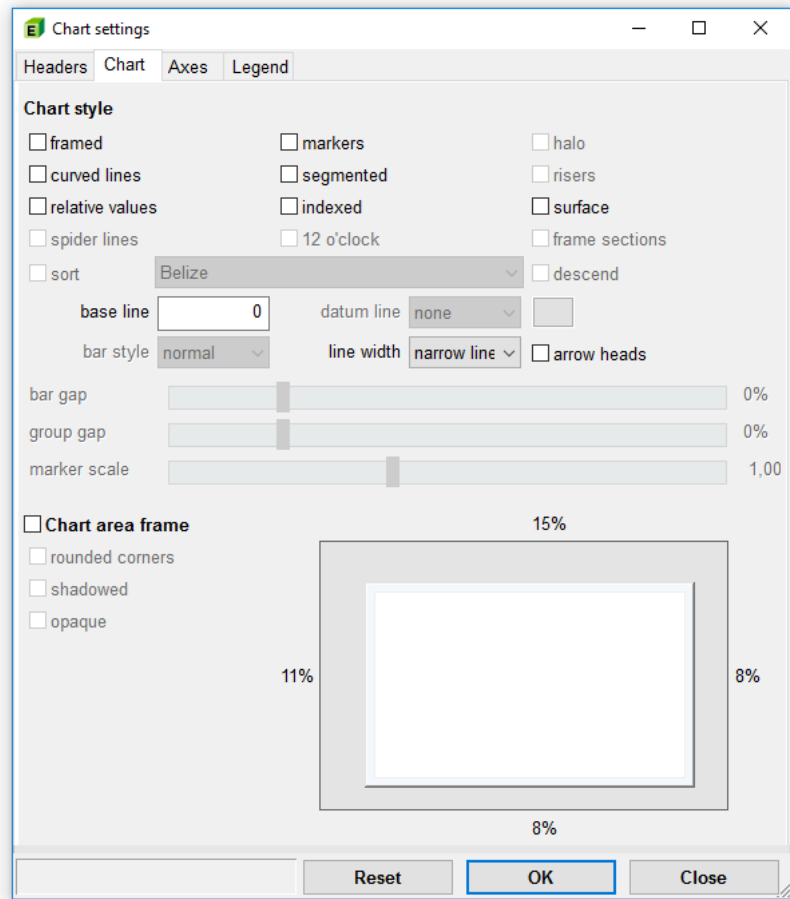
- The data range defaults the range between the minimum and maximum data values
 - may be set separately

Chart style /1



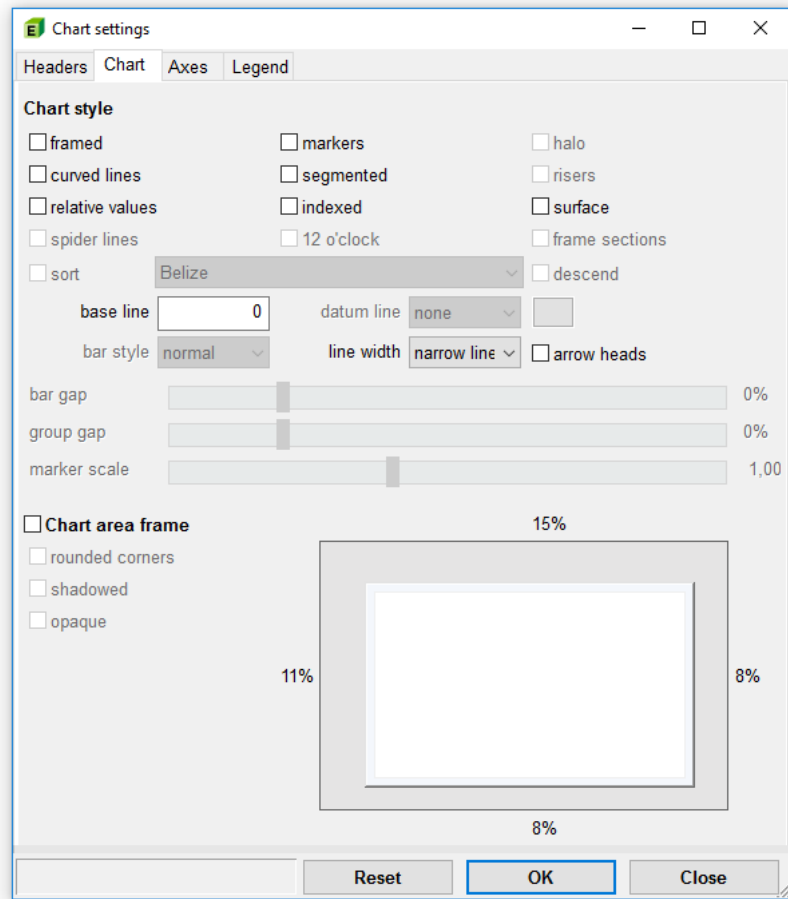
- *Framed* switch draws the frame around the chart area only
- Line graphs may be drawn with *markers* or *risers*
- The *halo* switch separates markers from the chart
- The *curved lines* switch draws lines using the Bézier smoothing method
- The *segmented* switch leaves the missing data (i.e. dot codes) undrawn in the line graph

Chart style /2



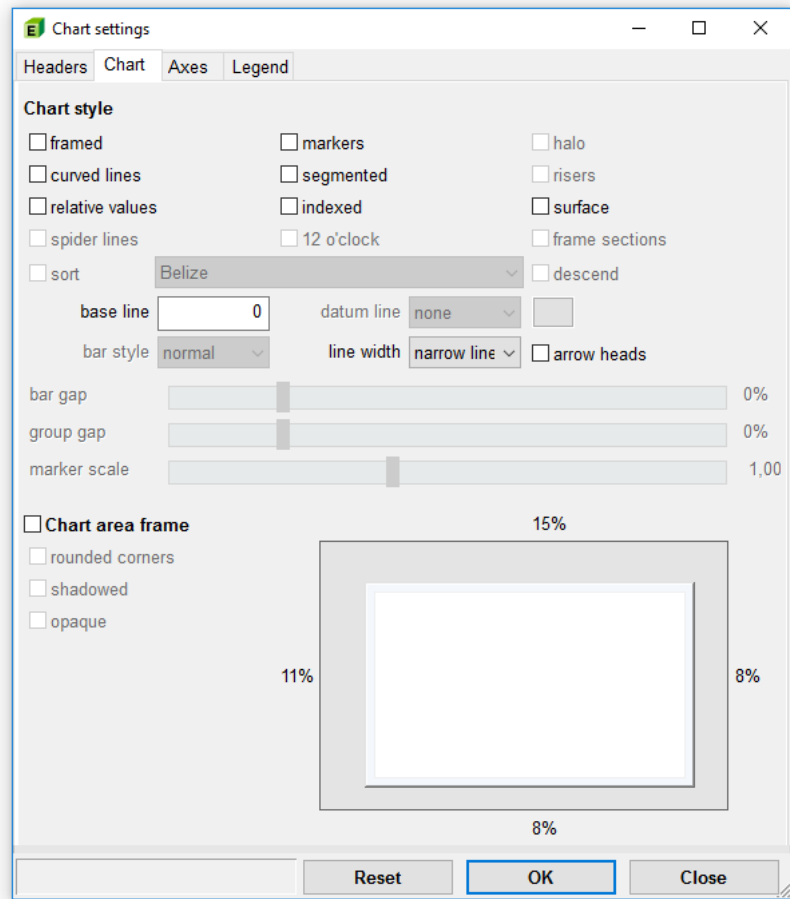
- The data values may be set *relative* and they may be *indexed* (starting from 100)
- The *surface* switch changes line graphs to surface charts
- Pie segments may be connected to their label texts with *spider lines*
- Pie segments may be drawn from 3 (the default) or *12 o'clock*
 - affects the drawing direction, too
- Bar and pie chart sections may be *framed*

Chart style /3



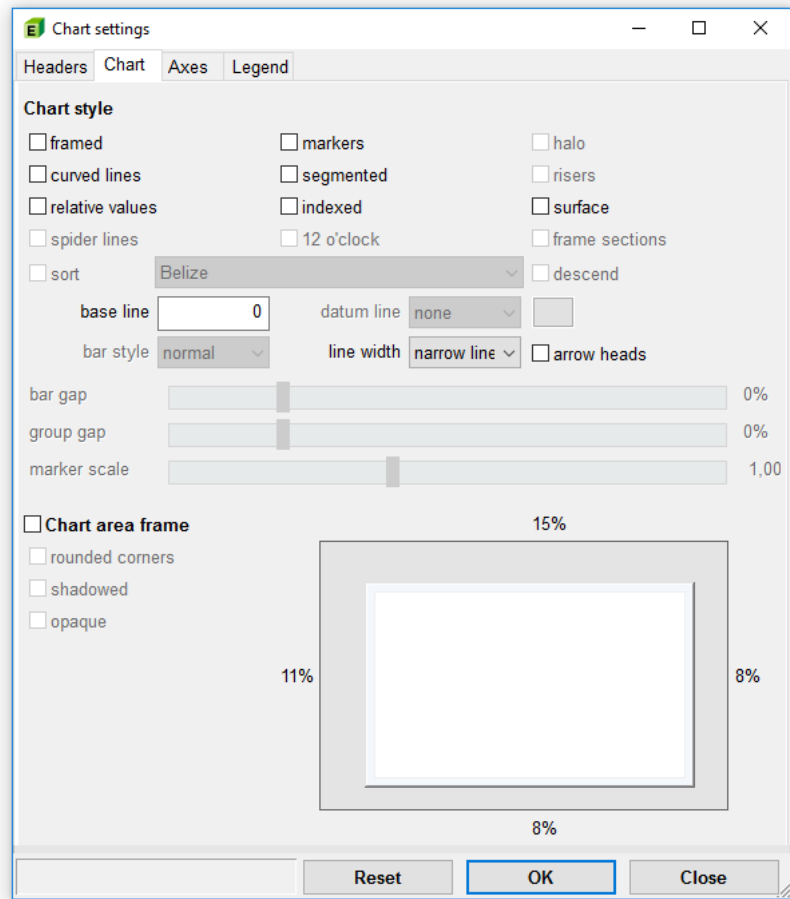
- Pie segments or horizontal bars may be *sorted* before drawing
 - the *ordering value* can be selected for a grouped horizontal bar chart
 - the sorting direction may be set *descending*
- The chart may have a *base line* (other than zero)
- Single line graphs may have a *datum line* (trend line, growth line or average line, also available for the bar charts)
 - the *datum line colour* may be changed with the attached colour button

Chart style /4



- Bar chart styles can be chosen between normal, floating or stacked
- Line graphs may be decorated with *arrow heads* and the *line width* may be changed
- The *bar gap* and *bar group gap* may be set for bar charts
 - widths are given as a percentage of the bar width
 - negative values will define *overlapped* bars
- The *marker scaling* may be adjusted

Margins



- Margins are given as a percentage of the chart size, they may be changed sliding the given picture frame edges
- The whole chart area can be *framed*
 - the frame may have *rounded* corners, may be *shadowed* and *opaque* (drawn on top of the chart)

Axes Tab

The screenshot shows the 'Chart settings' dialog box with the 'Axes' tab selected. The 'Axes' section is checked. Under 'axis width', 'narrow line' is selected. 'decimals' is set to 1. 'grid width' is 'fine line'. 'grid style' is a solid line. 'explode axes' and 'overlay grid' are unchecked. 'label factor' is 1. The 'Horizontal axis' section has a caption field, 'adjust' set to 'at side', 'placement' set to 'bottom', and 'style' set to 'normal'. Checkboxes for 'start from zero', 'logarithmic', 'reverse', 'tick marks', 'clip', 'labels', 'horizontal grid', 'minor ticks', 'extend', 'arrow head', and 'ticks between bars' are visible. 'major ticks' and 'minor ticks' are both set to 0. The 'Vertical axis' section has similar options, with 'start from zero' checked. At the bottom are 'Reset', 'OK', and 'Close' buttons.

- Axis and grid **line widths** may be changed, and the axes may be **exploded** (moved slightly from the basic position)
- The **grid** style and colour may be set, and the grid may be **drawn over** the bar chart
- The default **decimal setting** for the chart values and axis labels may be changed with the drop-down menu
- The **decimal separator** and the **label factor** can be changed

Axis settings /1

The screenshot shows the 'Chart settings' dialog box with the 'Axes' tab selected. The 'Horizontal axis' section includes a caption input field, 'adjust' (at side), 'placement' (bottom), and 'style' (normal) dropdowns. It also has checkboxes for 'start from zero', 'logarithmic', 'reverse', 'tick marks', 'clip', 'labels', 'horizontal grid', 'minor ticks', 'extend', 'arrow head', and 'ticks between bars'. Major and minor ticks are both set to 0. The 'Vertical axis' section has similar settings, with 'start from zero' checked. The 'OK' button is highlighted.

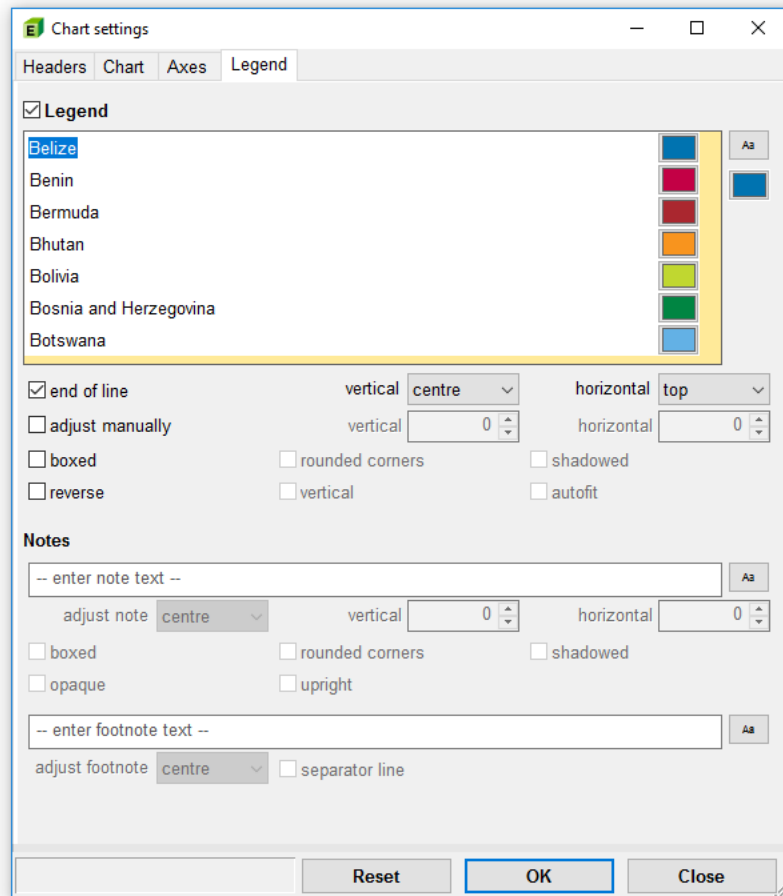
- The **axis captions** are drawn in relation to the corresponding axis
- The caption **adjustment**, **placement**, and **style** may be set
- The **force zero** switch starts the axis always at least from zero
- The **clip** switch trims the drawn chart at the axis (e.g. when the data range is too small)
- The **extend** switch draws the axis to the next tick mark

Axis settings /2

The screenshot shows the 'Chart settings' dialog box with the 'Axes' tab selected. The 'Horizontal axis' section includes a caption field, 'adjust' (at side), 'placement' (bottom), and 'style' (normal) dropdowns. It also has checkboxes for 'start from zero', 'logarithmic', 'reverse', 'tick marks', 'clip', 'labels', 'horizontal grid', 'minor ticks', 'extend', 'label style' (normal), 'arrow head', and 'ticks between bars'. Numerical input fields for 'major ticks' (0) and 'minor ticks' (0) are present, along with an 'adjust' dropdown (outside). The 'Vertical axis' section has identical controls. At the bottom are 'Reset', 'OK', and 'Close' buttons.

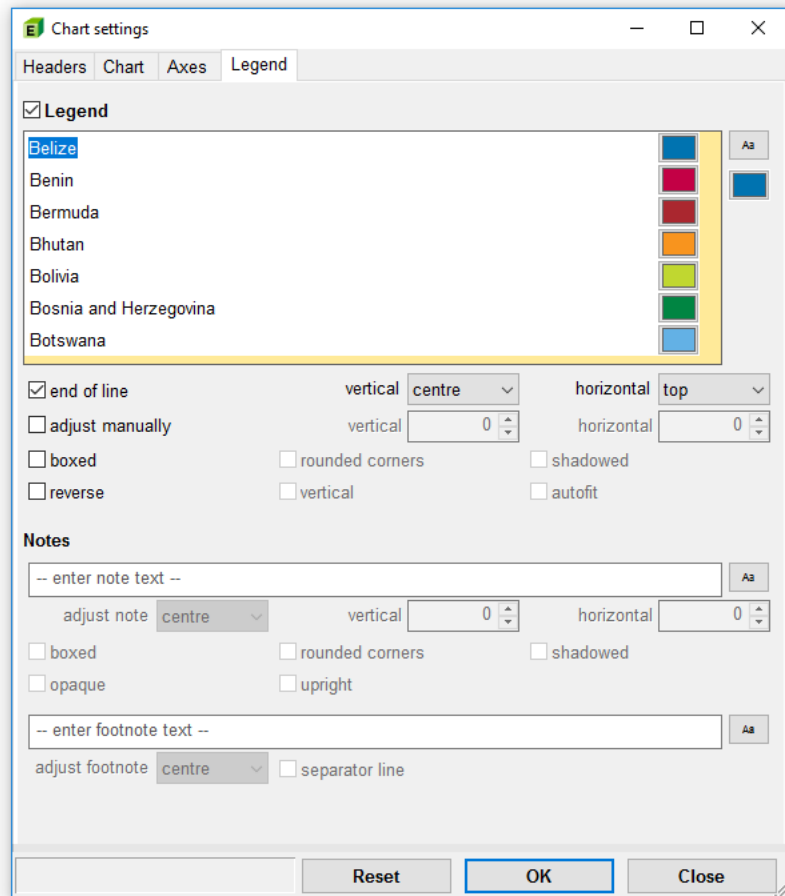
- The axes may be *logarithmic*, they may contain *labels* and the *label styles* may be set
- The axis direction may be *reversed*, there can be *parallel* grid lines, and the axis may end with *arrow heads*
- The axis *tick marks* and *minor ticks* may be set and adjusted as well

Legend Tab



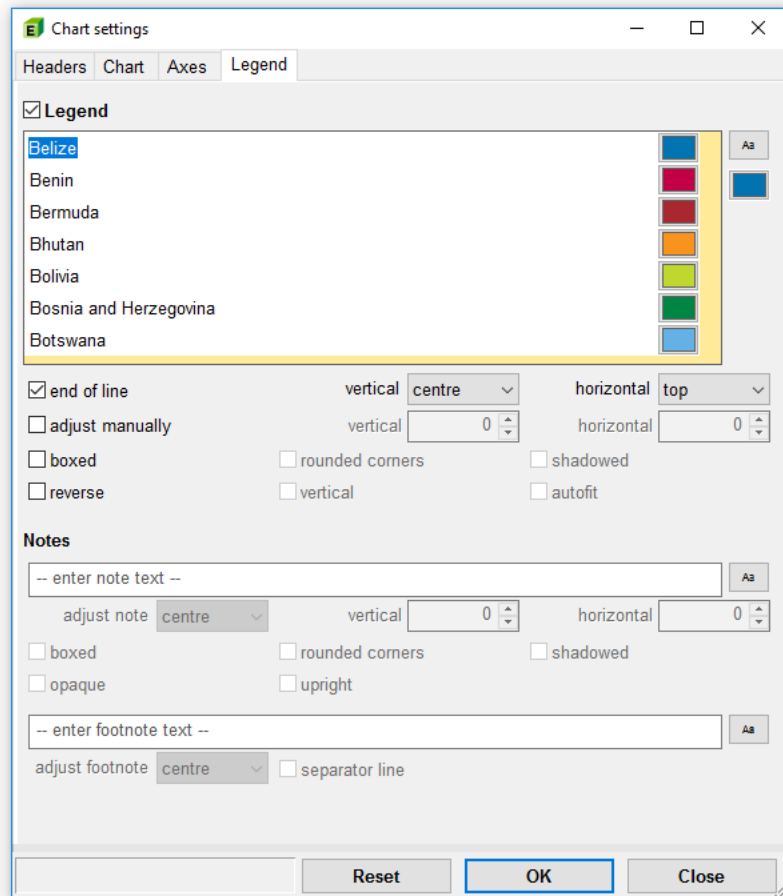
- The Legend **texts** may be edited
- **Chart colours** may be changed with the colour buttons
 - all the colours may be set with the separate colour button
- The **adjust manually** switch enables absolute positioning of the legend inside the chart area
 - position is given as **pixel coordinates**
 - the lower left corner equals 0, 0
 - the chart area is based on the used chart size and margins

Legend



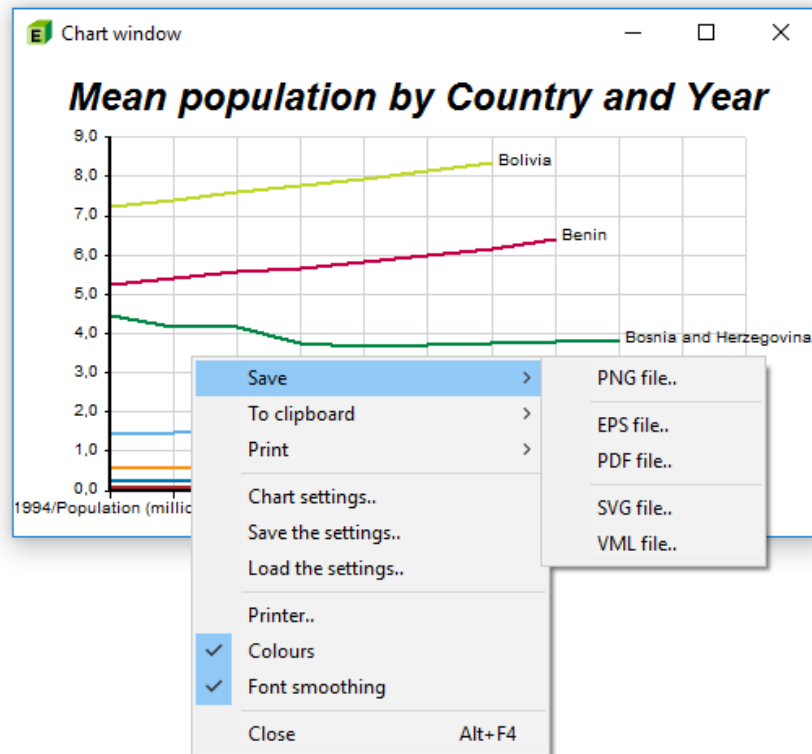
- Legend may be aligned to the area
 - **horizontally**: left, centre or right
 - **vertically**: top, middle or bottom
- Texts may be arranged **vertically** and the text order can be **reversed**
- The legend may be **boxed** with optional **rounded corners** and **shadowed**
- Texts may be written **at the end** of the line graphs
- The **autofit** switch tries to fit the text inside the legend box (the font size may be adjusted)

Notes



- **One note text** can be written in the chart area
 - can be aligned *horizontally*
 - can be *boxed* (with optional *rounded* corners and *shadowed*)
 - the note may be drawn *vertically*
 - the note may reside *over* the chart
 - the top left *position* of the note area is given in pixel coordinates (like the adjusted legend)
- The footnote can also be adjusted
 - there may be a *separating line* between the footnote and chart

Chart menu



- Right-clicking the chart window opens the Chart **menu**
- The chart may be saved in different **picture formats**, copied to the **clipboard** or **printed**
- Chart **settings** can be saved in a separate text file (pxg) for later use

Font smoothing

- If the font smoothing effect is in use (typically *ClearType*), it affects the output of the **chart texts**, especially small ones
 - this happens with all the graphics packages
- Font smoothing can be toggled off (and on) with the *Font smoothing* selection of the Chart menu
 - usually there is a short delay with Windows

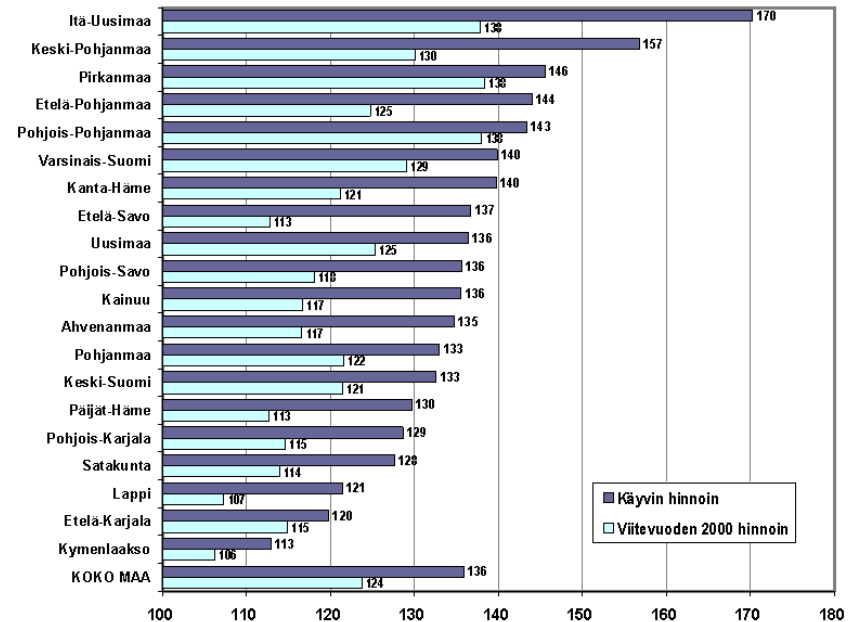
Tips

- Table values may be scrolled within the chart either with a scroll mouse or by pressing **Alt**+arrow keys
 - the default moving range is the selection area
 - to move one line or row, use the **Shift** key
- The colours for a one row chart (e.g. in the horizontal bar chart) may be changed with the colour buttons
- Tick settings are handy for tuning the horizontal axis

An example

Produce a horizontal bar chart from an Excel table

	A	B	C	D
1	Bruttokansantuotteen muutos 2000 - 2007 käyvin ja viitevuoden 2000 hinnoin			
2				
3	Alueet - NUTS Regions (2007)	Viitevuoden 2000 hinnoin	Käyvin hinnoin	
4	KOKO MAA	123,7	135,9	
5	Kymenlaakso	106,2	112,9	
6	Etelä-Karjala	114,9	119,8	
7	Lappi	107,3	121,5	
8	Satakunta	114	127,6	
9	Pohjois-Karjala	114,7	128,7	
10	Päijät-Häme	112,7	129,7	
11	Keski-Suomi	121,5	132,6	
12	Pohjanmaa	121,6	133	
13	Ahvenanmaa	116,6	134,8	
14	Kainuu	116,7	135,6	
15	Pohjois-Savo	118,1	135,6	
16	Uusimaa	125,4	136,4	
17	Etelä-Savo	112,8	136,7	
18	Kanta-Häme	121,2	139,7	
19	Varsinais-Suomi	129,1	139,8	
20	Pohjois-Pohjanmaa	138	143,4	
21	Etelä-Pohjanmaa	124,8	144	
22	Pirkanmaa	138,4	145,6	
23	Keski-Pohjanmaa	130,1	156,8	
24	Itä-Uusimaa	137,8	170,3	
25				
26				



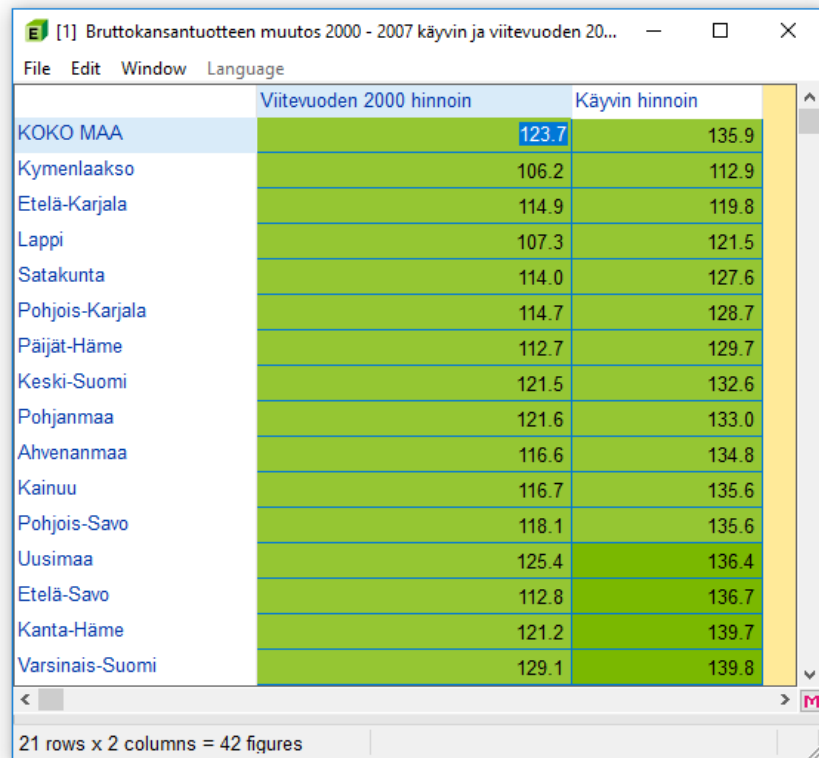
The old version

Make the Excel table structured

	A	B	C	D
1	Bruttokansantuotteen muutos 2000 - 2007 käyvin ja viitevuoden 2000 hinnoin			
2				
3	<i>Hinnat</i>	<i>Viitevuoden 2000 hinnoin</i>	<i>Käyvin hinnoin</i>	
4	<i>Alueet - NUTS Regions (2007)</i>			
5	KOKO MAA	123,7	135,9	
6	Kymenlaakso	106,2	112,9	
7	Etelä-Karjala	114,9	119,8	
8	Lappi	107,3	121,5	
9	Satakunta	114	127,6	
10	Pohjois-Karjala	114,7	128,7	
11	Päijät-Häme	112,7	129,7	
12	Keski-Suomi	121,5	132,6	
13	Pohjanmaa	121,6	133	
14	Ahvenanmaa	116,6	134,8	
15	Kainuu	116,7	135,6	
16	Pohjois-Savo	118,1	135,6	
17	Uusimaa	125,4	136,4	
18	Etelä-Savo	112,8	136,7	
19	Kanta-Häme	121,2	139,7	
20	Varsinais-Suomi	129,1	139,8	
21	Pohjois-Pohjanmaa	138	143,4	
22	Etelä-Pohjanmaa	124,8	144	
23	Pirkanmaa	138,4	145,6	
24	Keski-Pohjanmaa	130,1	156,8	
25	Itä-Uusimaa	137,8	170,3	
26				
27				

- The title is already there
- Variable names need to be tuned
 - the column variable name is missing, let's use a suitable one, e.g. *Hinnat* (Prices)
 - add a new line for the row variable *Alueet* (Areas)
 - variable names will not be shown in the chart
- The table is ready for importing after these changes

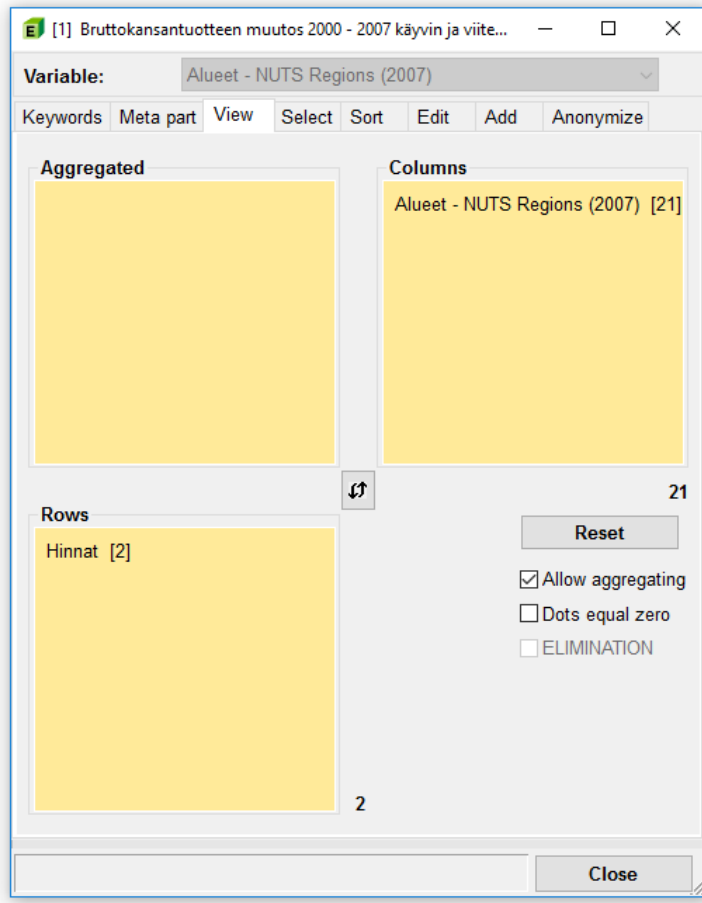
Import the table to PX-Edit



	Viitevuoden 2000 hinnoin	Käyvin hinnoin
KOKO MAA	123.7	135.9
Kymenlaakso	106.2	112.9
Etelä-Karjala	114.9	119.8
Lappi	107.3	121.5
Satakunta	114.0	127.6
Pohjois-Karjala	114.7	128.7
Päijät-Häme	112.7	129.7
Keski-Suomi	121.5	132.6
Pohjanmaa	121.6	133.0
Ahvenanmaa	116.6	134.8
Kainuu	116.7	135.6
Pohjois-Savo	118.1	135.6
Uusimaa	125.4	136.4
Etelä-Savo	112.8	136.7
Kanta-Häme	121.2	139.7
Varsinais-Suomi	129.1	139.8

- After opening PX-Edit the table can be imported from Excel
 - either *File/Read/Excel Worksheet* or **Ctrl+e** shortcut
- Excel may now be closed without saving the changed table

Transpose the table



- The variables should be rearranged before making the chart
 - the Metadata editor may be opened either with *Edit/Metadata* or **Ctrl+m** shortcut or pressing the **m** button in the table window corner
- The *View* Tab is meant for changing the order of table variables
- The variable names can be dragged and dropped, but in this case, clicking the transpose button is even simpler

Reorder the variable

Variable: Hinnat

Keywords Meta part View Select Sort Edit Add Anonymize

Source New order OK

Käyvin hinnoin
Viitevuoden 2000 hinnoin

Select..

Reset

☐ Codes
☒ Allow sorting
☐ Numeric sort
☐ Data sort

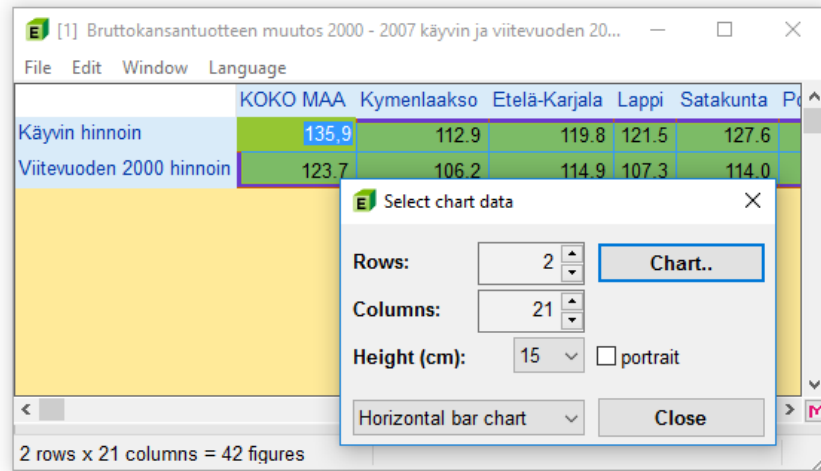
0 / 0 / 2 2 / 2 / 2

variable	value
Hinnat	
Alueet - NUTS Regions (2007)	KOKO MAA

Close

- The *Sort* Tab is meant for changing the order of variable values
- The value names are selected and moved from *Source* box to the *New order* box
- When the new order is ready, press the **OK** button
- Close the Metadata editor

Select data for the chart



- Select the first table cell and either press the **Ctrl+g** shortcut or select *Edit|Graph..* from the menu bar or press the right mouse button and select *Graph..* from the popup menu
 - NB: use the **Expert** user level
- The data selection window opens
 - since the table is small, all the data may be selected
- Practise some settings
 - height to 15 cm
 - chart type to *Horizontal bar chart*
- Press the **Chart** button

First version



- There's a lot to be changed:
 - margins
 - bar colours and widths
 - the order of the bars
 - legend
 - data range
 - the decimal setting of the horizontal axis labels
- Double-clicking the chart will open the Settings window

Data range

Chart settings

Headers | **Chart** | Axes | Legend

☐ **Chart headings**

Bruttokansantuotteen muutos 2000 - 2007 käyvin ja viitevuoden 2000 hinnoin by Hinnat a Aa

adjust centre ▼ ☐ bottom ☐ separator line

☐ opaque newline ; ▼ soft hyphen ~ ▼

Labels

KOKO MAA
Kymenlaakso
Etelä-Karjala
Lappi
Satakunta
Pohjois-Karjala
Päijät-Häme

☐ opaque Remove first values Remove last values

☐ **Value tags**

adjust centre ▼ placement on top ▼ style normal ▼

☐ opaque ☐ cumulative values decimals 1 ▼

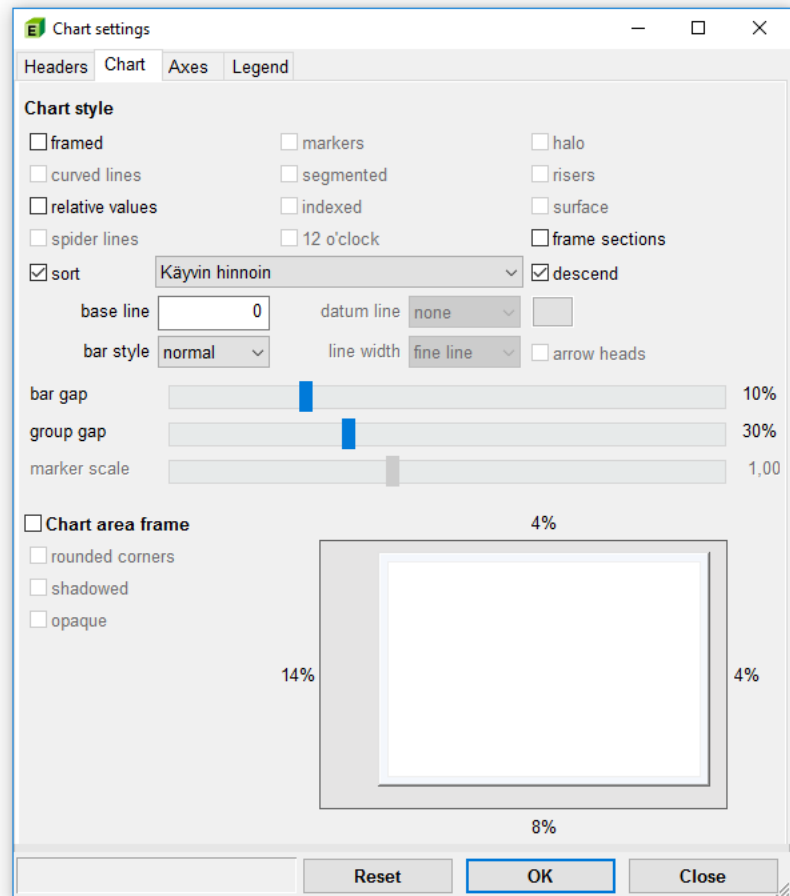
☒ **Data range**

minimum 100 maximum 180

Reset OK Close

- Data range is adjusted as in the original example (100 .. 180)
 - although this is against the standard principle of always starting a bar graph from zero!

Chart settings



- Sort descending
- The bar gap is set as 10% and the group gap as 30%
- Margins are set with the sliding rectangle
 - make room to the left for the labels
 - adjust the top (there is no heading) and bottom margins, too
 - marginal settings sometimes need plenty of iterations

Axes

Chart settings

Headers Chart Axes Legend

☒ Axes

axis width narrow line ☐ explode axes ☐ overlay grid

decimals 0 ☐ decimal point label factor 1

grid width fine line grid style ☐

Horizontal axis

-- enter horizontal axis caption -- Aa

adjust at side placement bottom style normal

☒ start from zero ☒ clip ☒ extend

☐ logarithmic ☒ labels label style normal

☐ reverse ☒ horizontal grid ☐ arrow head

☒ tick marks ☐ minor ticks ☐ ticks between bars

major ticks 10 minor ticks 0 adjust outside

Vertical axis

-- enter vertical axis caption -- Aa

adjust at side placement bottom style normal

☒ start from zero ☒ clip ☒ extend

☐ logarithmic ☒ labels ☐ over axis

☒ reverse ☐ vertical grid ☐ arrow head

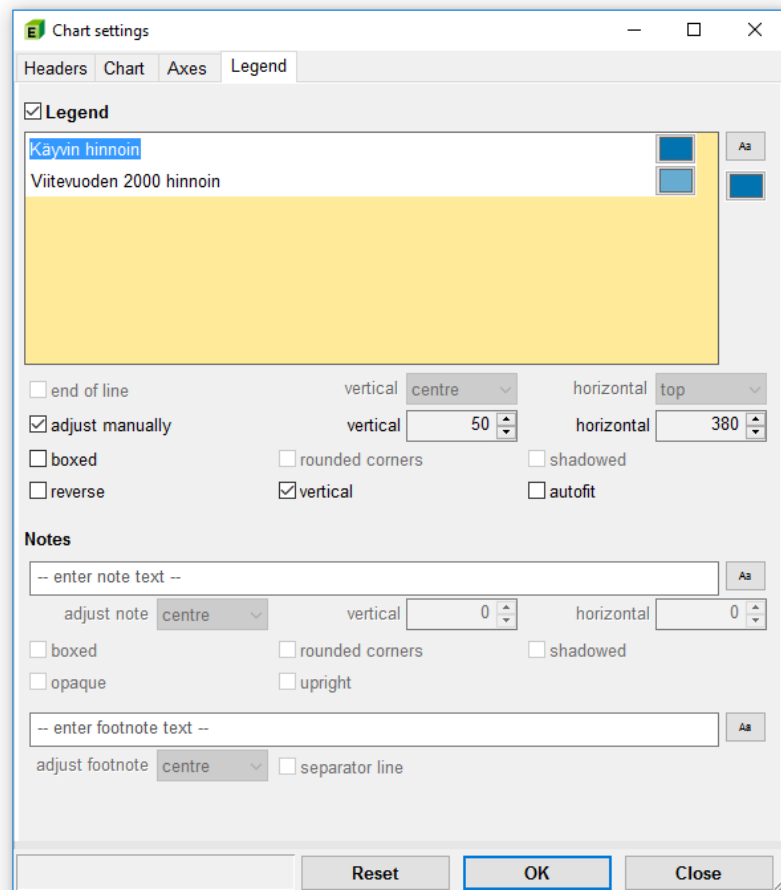
☒ tick marks ☐ minor ticks ☐ ticks between bars

major ticks 0 minor ticks 0 adjust outside

Reset OK Close

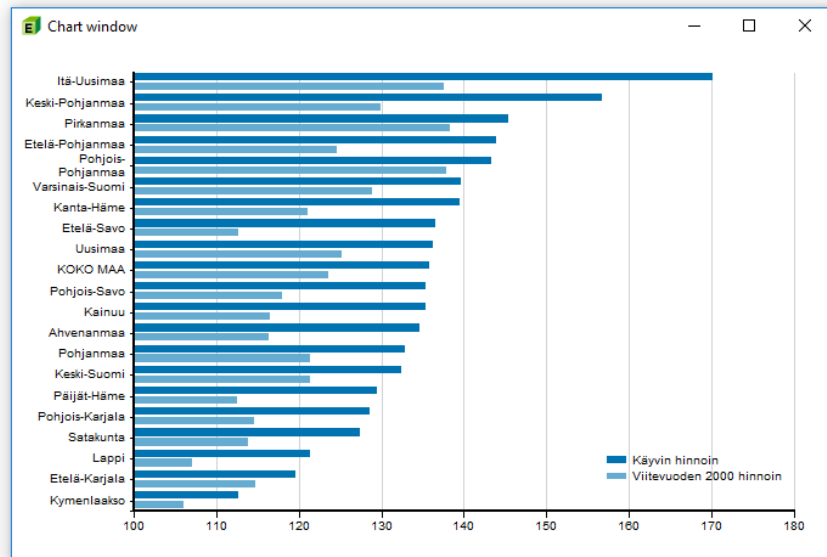
- Decimals to zero
- The horizontal major tick interval is set as 10
- The vertical axes are to be reversed
 - the same effect could have been achieved in PX-Edit (*Metadata/Sort*)

Legend



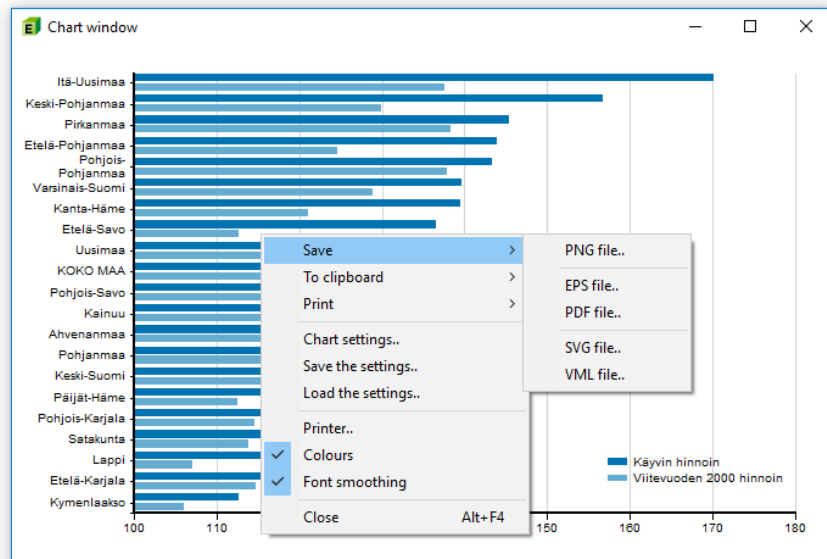
- Bar colours can be changed via the legend list colour buttons
- Adjust the absolute positioning of the legend to 50, 380
 - finding the proper setting usually needs some fine-tuning
- Set the legend to vertical
 - the legend will not be framed (as in the original example)
- Press **OK**

Preview the fine-tuned chart



- Looks appropriate 😊
- The chart is internally handled in **PostScript**, so the saved picture file may look slightly different to the Chart window

Save the chart



- Press the right mouse button on the Chart window
- Select *Save/PNG file..* and save with an appropriate name
- Open the saved file in an image viewer application to check it
- You may also save the chart settings in a separate file selecting *Save the settings..*
- You can now close PX-Edit

Final chart (as a png file)

