

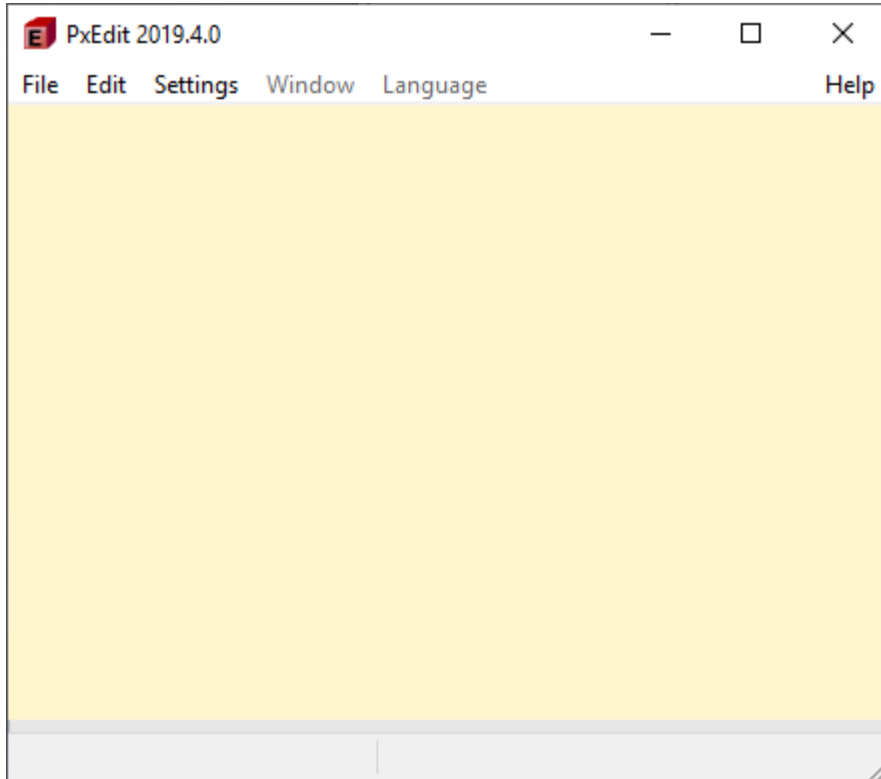
PxEdit 4.0

Main window

Design principles

- The user interface should be **easy** to use and as functional as possible
- The interface should reflect changes immediately
- New features are added when they are feasible, sensible and **necessary**

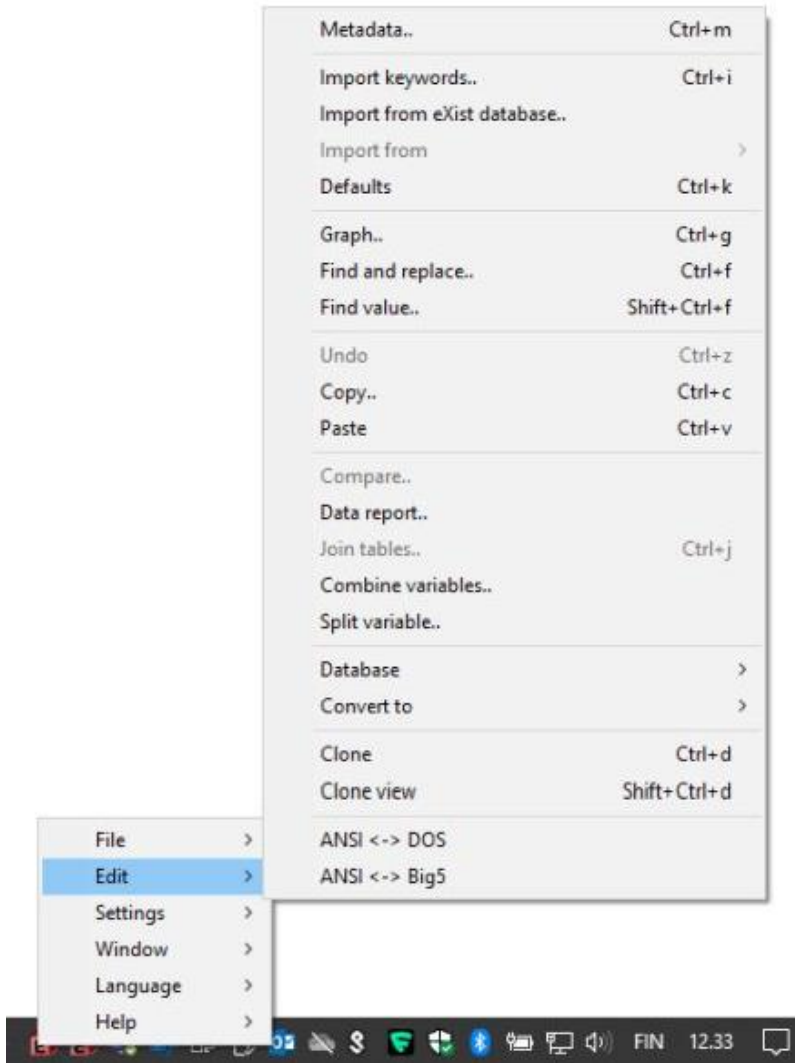
Main window



- The main window may be used as a drag and drop target
 - file **icons** (.px, .pxk, .xls, .csv, .txt, ...)
 - zip files also, but separately
 - directory icons
- There are many shortcuts
 - **Ctrl+m** metadata editor
 - **Ctrl+j** table joining
 - **Ctrl+o** file opening
 - **Ctrl+n** create a new table
 - ...

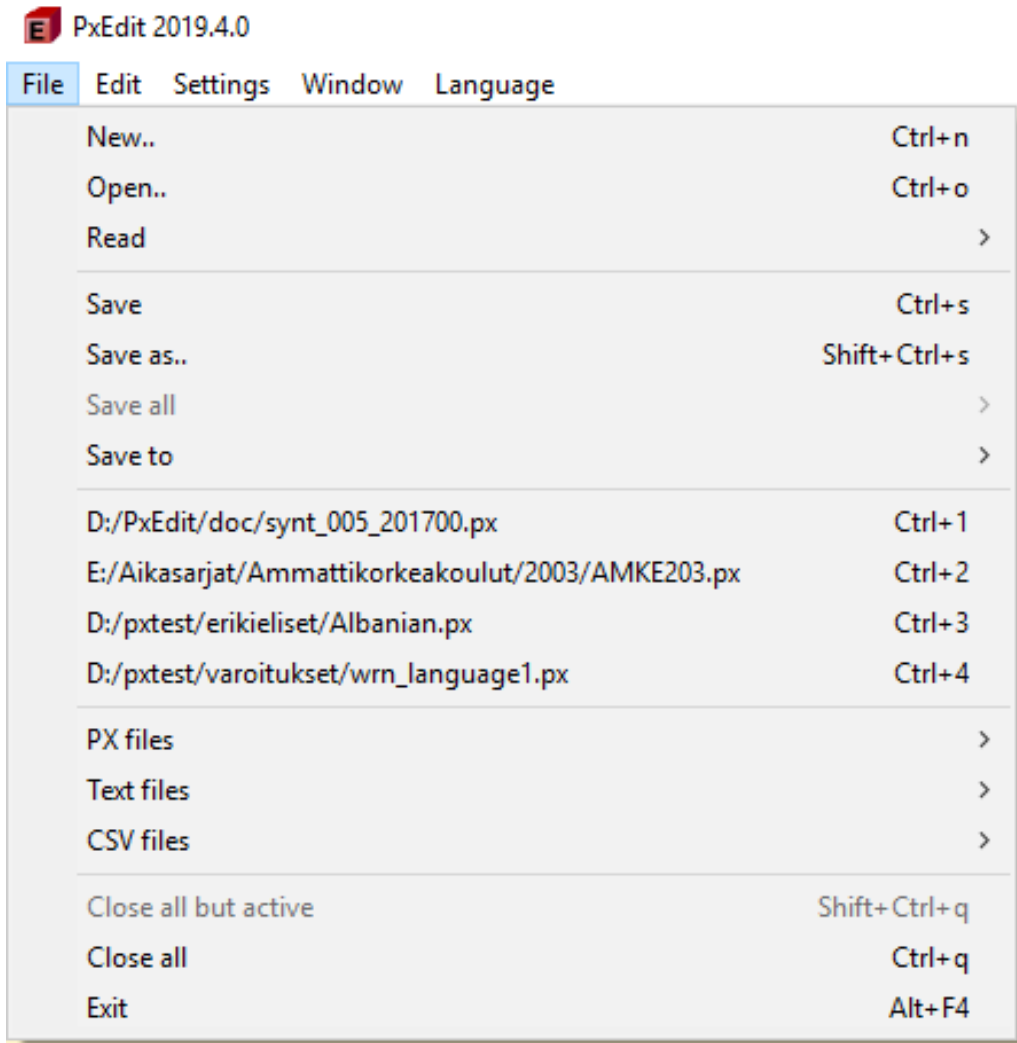
System tray

- The quick launch menu is available even though the main window is minimised



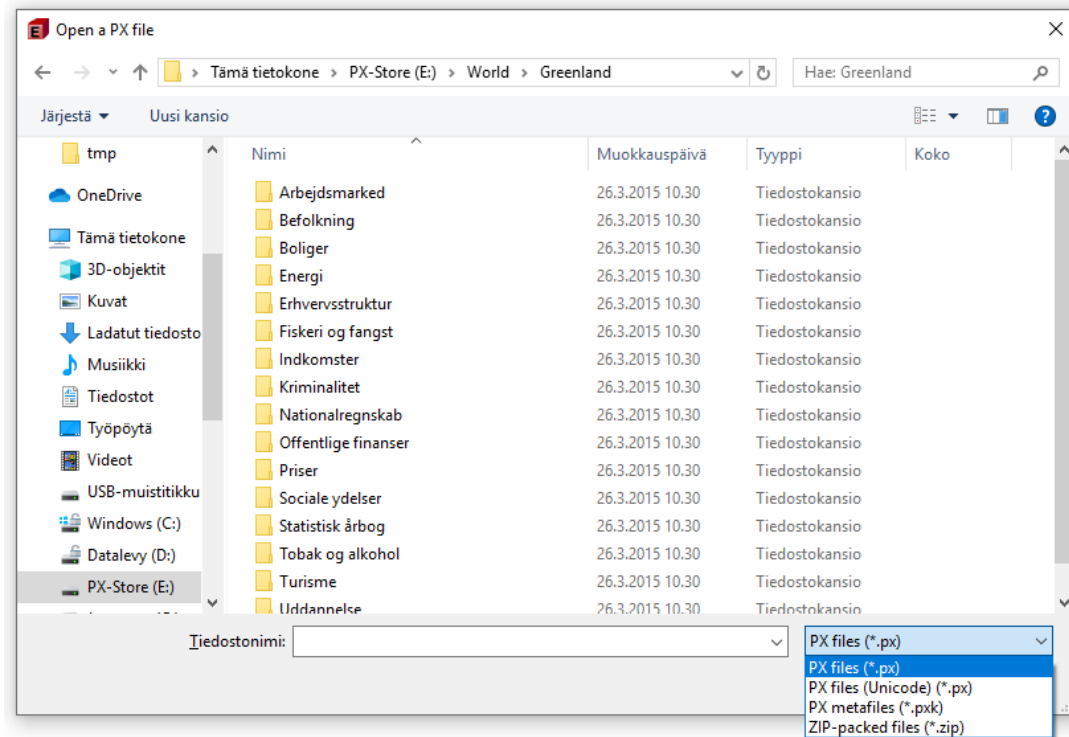
File menu

File menu /1



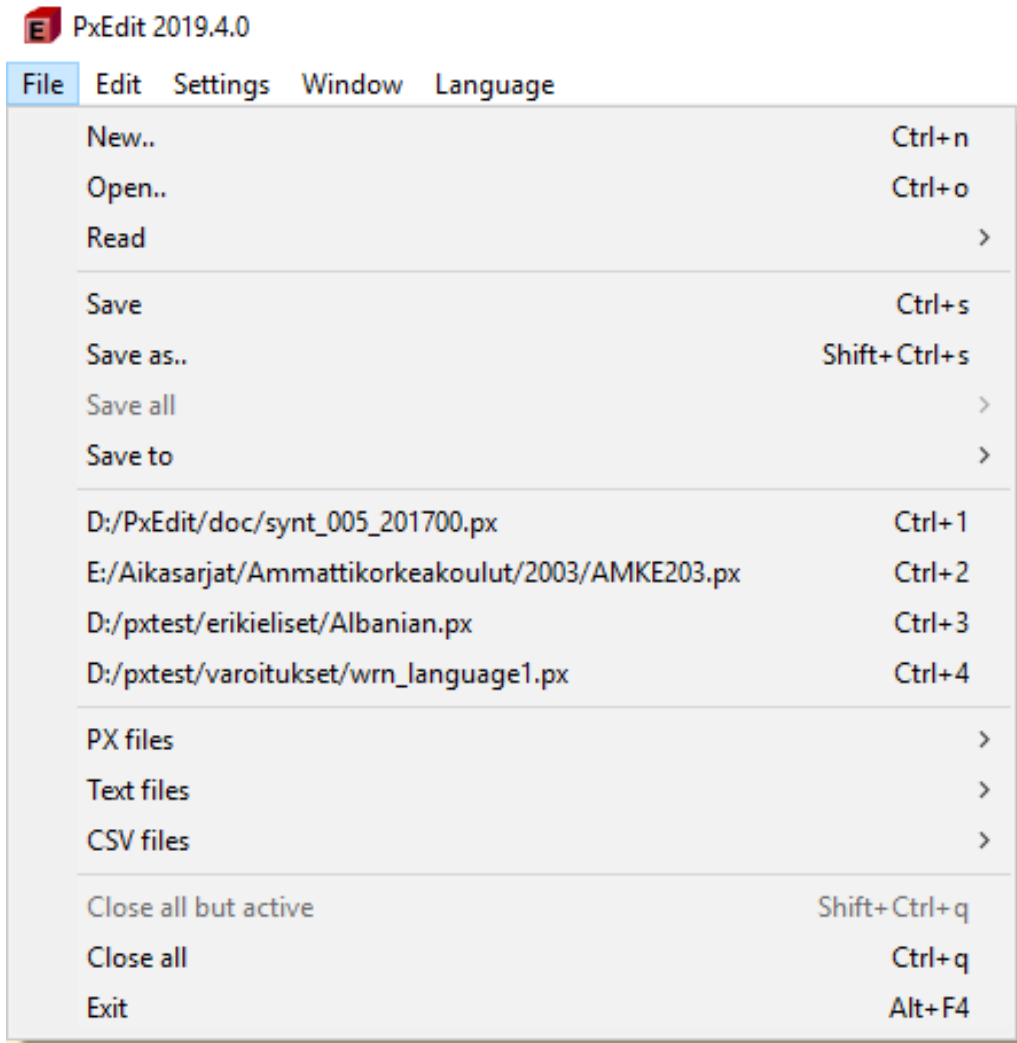
- **New [Ctrl+n]**
 - create a new table from scratch
- **Open [Ctrl+o]**
 - open a px-file (.px)
- *Read* sub-menu
 - for special cases
- **Save [Ctrl+s]**
 - save the current table as a px file with the same (existing) name
- **Save as [Shift+Ctrl+s]**
 - save the current table as a px or pxx file with (possibly) a new name

File opening



- The Unicode files should always have the appropriate header (**BOM**) in the beginning of the file
- If this header is missing, the file characters may look like gibberish
- The file type menu has the **Unicode** alternative, which will always try to convert the file coding into Unicode
 - this may prevent reading of the WinANSI coded files, though

File menu /2



- *Save all* sub-menu
 - save all tables in various file types
- *Save to* sub-menu
 - for different alternatives
- Recently opened files [**Ctrl+#**]
- File type sub-menus
 - opened files are **grouped** by file type
- Close all but active [**Shift+Ctrl+q**]
- Close all [**Ctrl+q**]
- Exit [**Alt+F4**]
 - close all tables and the application

New table

Create a new table

Title: -- enter the new table title --

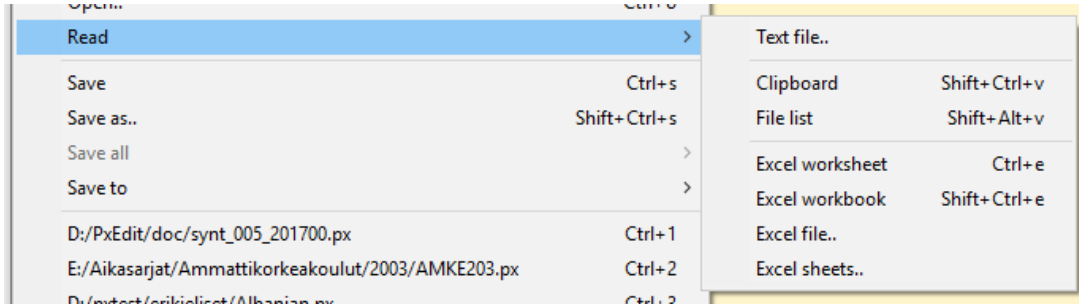
variable	values	codes	column variable
Municipality	313	<input type="checkbox"/>	<input type="checkbox"/>
Year	60	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Gender	3	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	1	<input type="checkbox"/>	<input type="checkbox"/>

☒ Remember settings 56 340

Create Clear Close

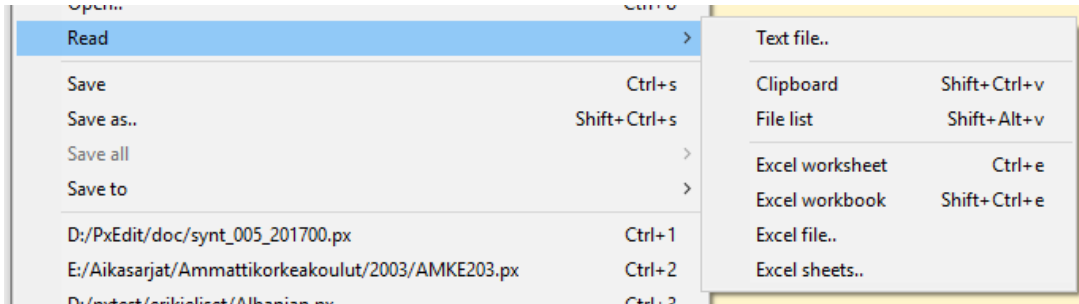
- Title and variable names
 - value names are based on variable names
 - a new line will be added when needed
- The number of values for each variable
- Numeric codes may be created if needed (1, 2, 3, ...)
- Variables may be arranged in rows (default) or in columns
- The **Create** button makes the table with the *Fill items*
- Clicking any field in the values column with the second mouse button enables adding and removing **classifications**

File|Read menu /1



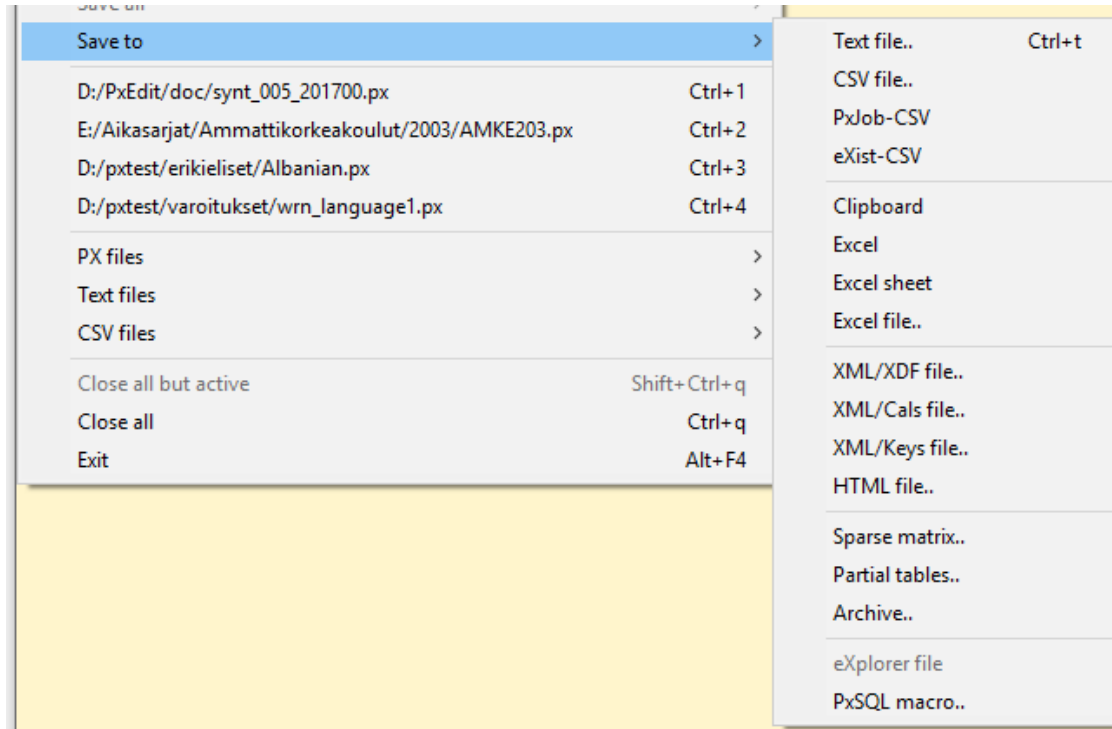
- Text file
 - read a structural text file
- Clipboard [**Shift+Ctrl+v**]
 - read a structural table from the clipboard
 - active only if there is something available
 - may be used with most of the applications (e.g. *LibreOffice*)
- File list [**Shift+Alt+v**]
 - read the files whose names are listed in the clipboard

File|Read menu /2



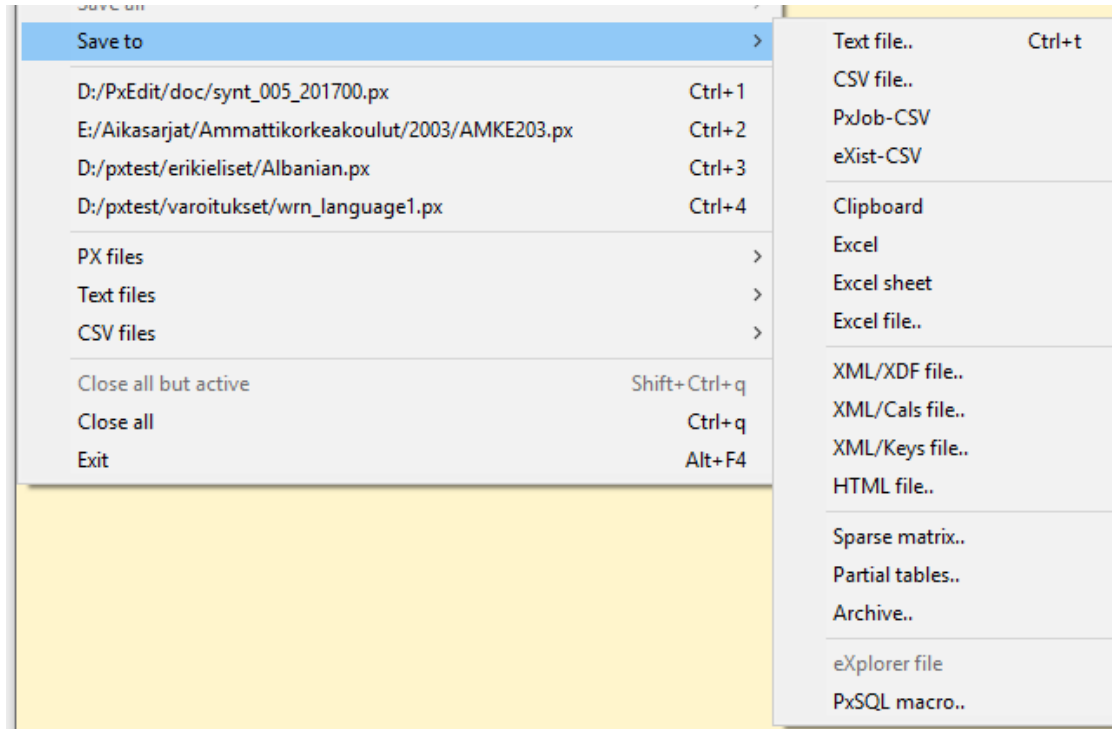
- Read worksheet or workbook from **opened** Excel application [**Ctrl+e**, **Shift+Ctrl+e**]
 - read a structural table (or all sheets) directly from the active spreadsheet
 - the cell comments will be copied to the corresponding keywords
 - the footnotes should be separated with at least two empty rows from the table
 - **needs Excel to be installed**
- Read **Excel file**
 - read a structural table from an Excel file (xls/xlsx)
 - either the first worksheet or all sheets

File|Save to menu /1



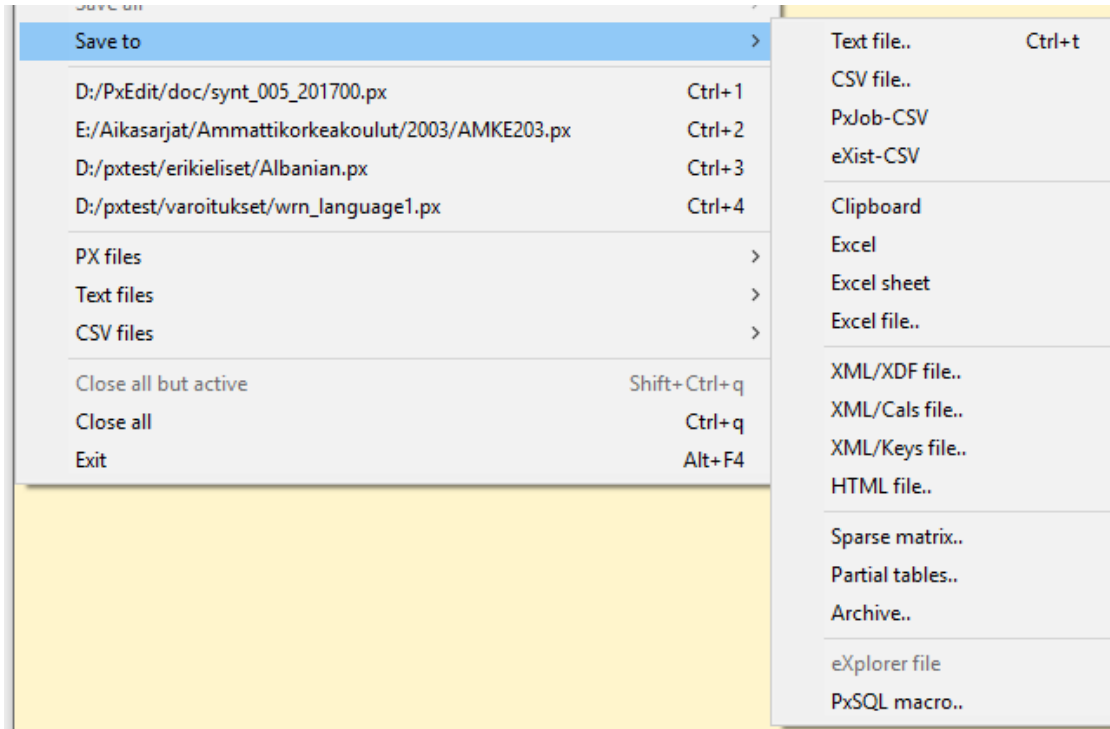
- **Text file [Ctrl+t]**
 - save as a structural ASCII file, or
 - make a special formatted text file
- **CSV file**
 - save the table as a semicolon-separated file (csv)
 - most spreadsheets accept this
- **PxJob-CSV**
 - save the table as a semicolon-separated metadata control file
 - this can be used in PxJob for metadata injection

File|Save to menu /2



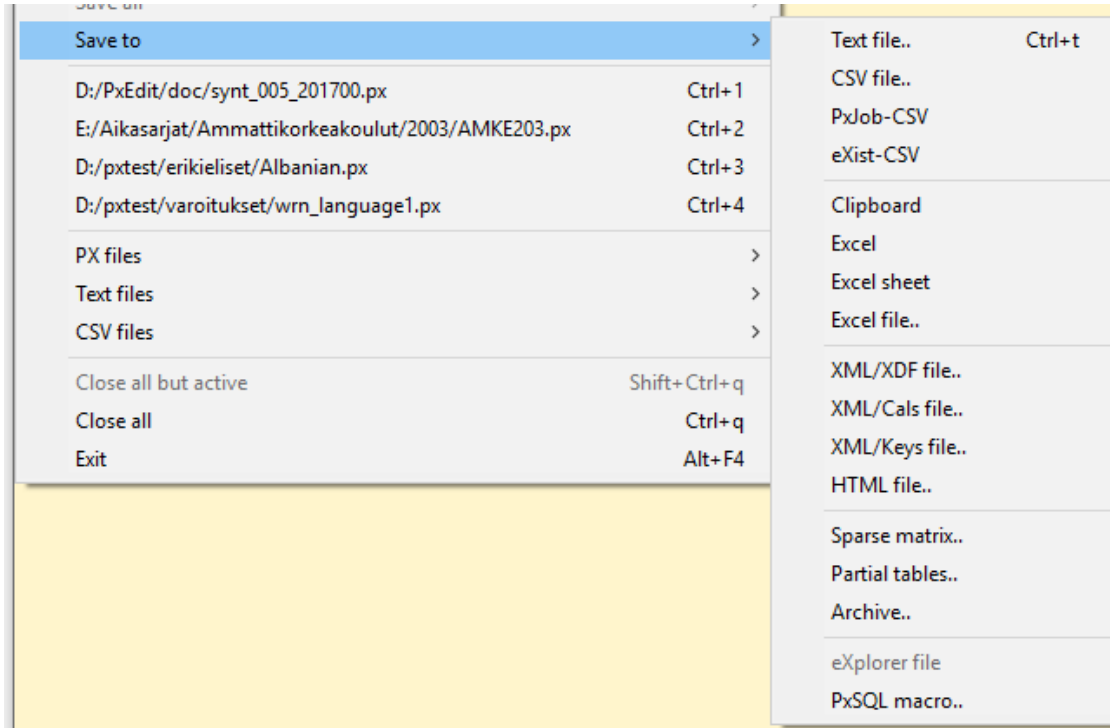
- eXist-CSV
 - create a update file for the *eXist* database used in Statistics Finland
- Excel alternatives
 - *Excel*: move table to a new worksheet in a new workbook
 - *Excel sheet*: move table to a new worksheet in the active workbook
 - *Excel file*: save as an xls/xlsx file
 - notes will be moved to appropriate cell comments

File|Save to menu /3



- XML files
 - save the table in any of the three different *CoSSI/XML* formats (xml)
 - the Cals format may be fine-tuned with *Settings/XML/Cals saving* settings
- HTML file
 - save the table in html format (htm)
 - **HTML table format is available, too**
- Sparse matrix
 - save the table with *KEYS* settings
- Partial tables
 - split the table into multiple files along one variable

File|Save to menu /4



- Archive
 - save and pack the table to a zip file
- *eXplorer* file
 - save the table as a input text file for the *eXplorer* application
 - active only when the table has two or three variables, and one of them is a row variable
- PxSQL macro
 - save the table metadata and/or data as a PxSQL macro
 - the output is defined with the *Settings/PxSQL* settings
 - visible only if the database is defined in the main ini file (`sql_database=`)

Excel...

- Reading from the Excel data sheet halts if the user is editing a spreadsheet cell
 - the simple solution: just move away from the cell
- PxEdit tries to move the **cell comments** to appropriate footnotes and vice versa
 - `excel_notex` setting in the main ini file controls the target footnote keywords

Create partial tables

[5] Population by country of birth and citizenship 1981-2003

Variable: **country** **Start**

Population total
Iceland
Other countries
Nordic countries
Denmark
Finland
Faroe Islands
Greenland
Norway
Sweden
Other Eur. countries
Austria
Belarus
Belgium
Bosnia-Herzegovina
Bulgaria
Croatia

☒ Include

87

☒ codes ☐ Create subdirectories **Directory**
☐ texts ☐ Keep file name
☐ both

e:/world/iceland/02 population/
ema00301.px

start creating the files **Close**

- Select the variable along which the files will be created
- Some values may be attached to each table
- File names are created from value texts, codes or both
- Files may populate their own subdirectories
- The original file name may be kept as the new name suffix

Create a text file

[5] Population by country of birth and citizenship 1981-2003

☒ Table title ☐ Unicode
☐ All value headers ☐ Append to file
☒ Separate codes

	country	country of birth/citizenship	year
code	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
text	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
preceding text			
endtext			
length	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	26	22	4

Field length:

Preceding text:

Decimals:

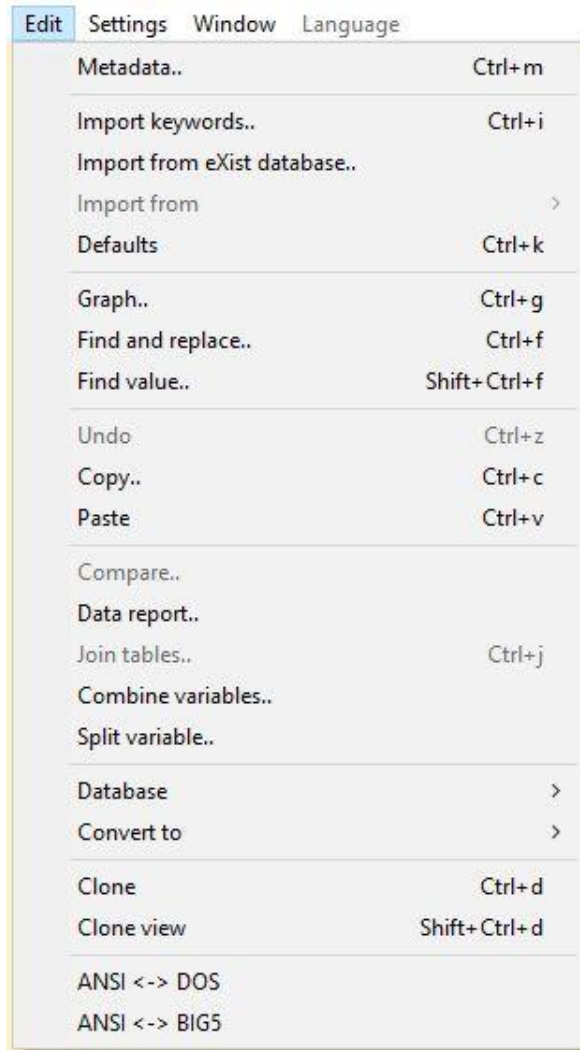
☐ Decimal comma
☐ Leading zeros

Field separator:
☒ tabulator
☐ space
☐ none
☐ other:

- Default settings will create a pure structural **monolingual** text file
- Header structure is freely adjustable
 - all vs. hierarchical titles
 - texts, codes or both
 - add leading or trailing texts
 - fixed or automatic lengths
- The data part is also flexible
 - leading texts or zeros
 - field length and decimal separator
 - number of decimals
- The field separator may be practically anything (sensible)

Edit menu

Edit menu /1



- Metadata [**Ctrl+m**]
 - open the **Metadata** window
- **Import metadata [Ctrl+i]**
 - metadata (keywords) may be imported from a separate px file or from a pre-opened table (the *eXist* database is being used in Statistics Finland)
 - possible keywords will be shown in a separate import window
- Defaults [**Ctrl+k**]
 - available default values will be shown in a separate window to be selected and imported

Metadata editor

[6] Մշտական բնակչության թվաքանակն

Variable: hy

Keywords Meta part View Select Sort Edit Add Anonymise

keyword	value
CHARSET	ANSI
AXIS-VERSION	2010
CODEPAGE	utf-8
LANGUAGE	en
LANGUAGES	en,hy
CREATION-DATE	20120628 17:05
DECIMALS	1
SHOWDECIMALS	1
MATRIX	DE3
SUBJECT-CODE	DE
SUBJECT-AREA	Բնակչություն
COPYRIGHT	NO
DESCRIPTION	
TITLE	Մշտական բնակչության թվաքանակն
CONTENTS	Մշտական բնակչության թվաքանակն
UNITS	հազ մարդ և տոկոսով՝ ընդամենի նկատմ...
CONTVARIABLE	
LAST-UPDATED	
CONTACT	
SOURCE	
LINK	<a href="http://armstat.am/file/Qualitydec/a...
NOTE	1 Ըստ մարդահամարի.#*Ցուցանիշները վե...

☒ Hide Set.. Defaults Import..

Close

- Four sheets for editing table, variable, value and cell specific **keywords**
- Formatted file **meta data** part
- Change and view the variable **order**
- **Select** parts of variables
- **Sort** the value texts
- **Edit** the value texts and codes
- **Add** new variables and values
- **Anonymise** data row-wise

Metadata importing

The screenshot shows a window titled "Fetch keywords" with a table of metadata fields. The table has three columns: a checkbox column, a "keyword" column, and a value column. The "keyword" column contains labels like "STUB, HEADING", "VALUES(\"Vuosi\")", "VALUES(\"Tiedot\")", "AXIS-VERSION", "CODEPAGE", "CREATION-DATE", "NEXT-UPDATE", "DECIMALS", "MATRIX", "DESCRIPTION", "TITLE", "CONTENTS", "UNITS", "LAST-UPDATED", "CONTACT", "DATABASE", and "NOTE". The value column contains corresponding values, some of which are truncated. The "DATABASE" row is highlighted in blue, and its checkbox is checked. At the bottom of the window, there is a "Combine notes" checkbox and three buttons: "Cell keywords", "Fetch", and "Close".

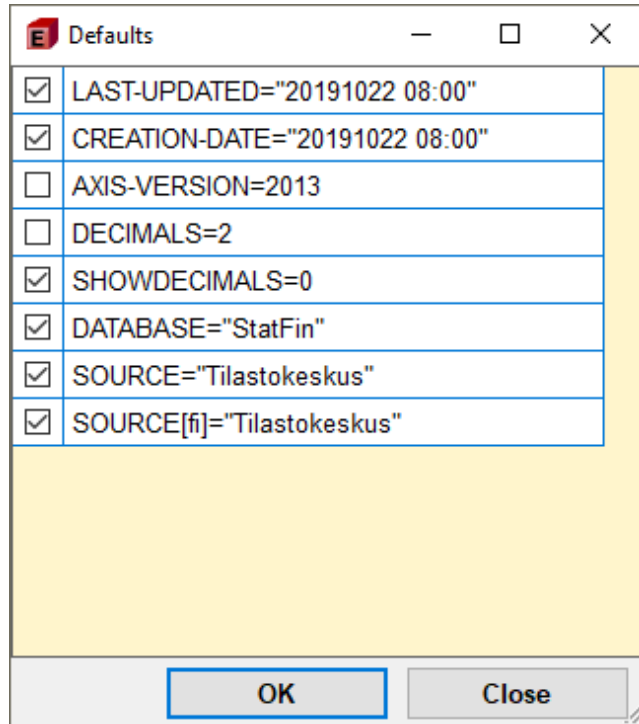
	keyword	E:/StatFin/vrm/synt/statfin_synt... [1] Elävänä syntyneet muuttujin...
<input type="checkbox"/>	STUB, HEADING	Vuosi; Tiedot
<input type="checkbox"/>	VALUES("Vuosi")	1751; 1752; 1753; 1754; 1755; 1...
<input type="checkbox"/>	VALUES("Tiedot")	Kuolleisuusluku, promillea; Synt...
<input checked="" type="checkbox"/>	AXIS-VERSION	2013
<input type="checkbox"/>	CODEPAGE	iso-8859-15
<input type="checkbox"/>	CREATION-DATE	20161005 09:00
<input type="checkbox"/>	NEXT-UPDATE	20200424 09:00
<input type="checkbox"/>	DECIMALS	2
<input type="checkbox"/>	MATRIX	synt_007_201800
<input type="checkbox"/>	DESCRIPTION	007 -- Yleinen kuolleisuus- ja sy...
<input type="checkbox"/>	TITLE	Yleinen kuolleisuus- ja syntyvy...
<input type="checkbox"/>	CONTENTS	Yleinen kuolleisuus- ja syntyvy...
<input type="checkbox"/>	UNITS	Henkilöitä, promillea
<input type="checkbox"/>	LAST-UPDATED	20190426 09:00
<input type="checkbox"/>	CONTACT	Tilastokeskus#<A HREF=http://t...
<input checked="" type="checkbox"/>	DATABASE	StatFin
<input type="checkbox"/>	NOTE	<A HREF=http://tilastokeskus.fi/...

☐ Combine notes

Cell keywords Fetch Close

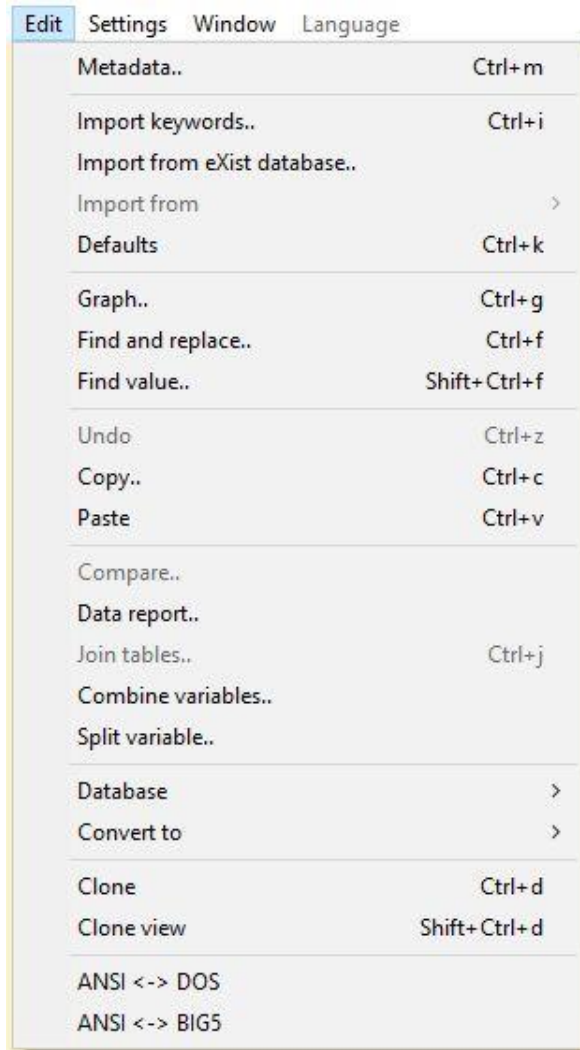
- Separate selection window for fetching metadata
- Only the **selected** metadata will be imported
 - select with the left column check boxes
- Only the metadata which seems to be meaningful for import is selectable
- **Missing** metadata is pre-selected
- The contents of the keywords may be explored (but not changed) in a separate window by clicking the field

Default values



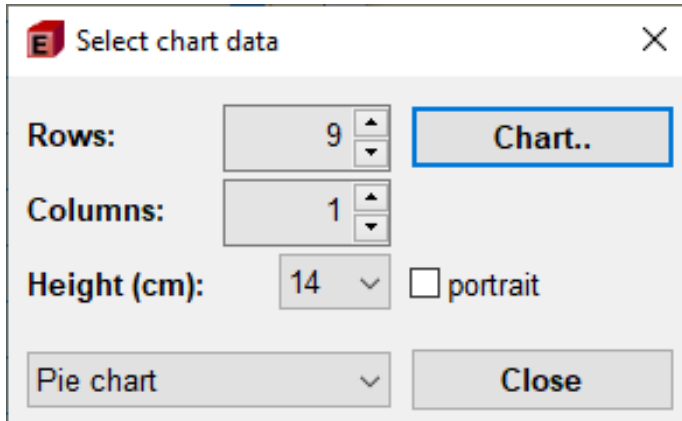
- Separate selection window for default values
- Default values are stored in the personal ini file
 - default values may be edited within a separate window by pressing the **Defaults** button in the *Metadata/Keywords* window

Edit menu /2



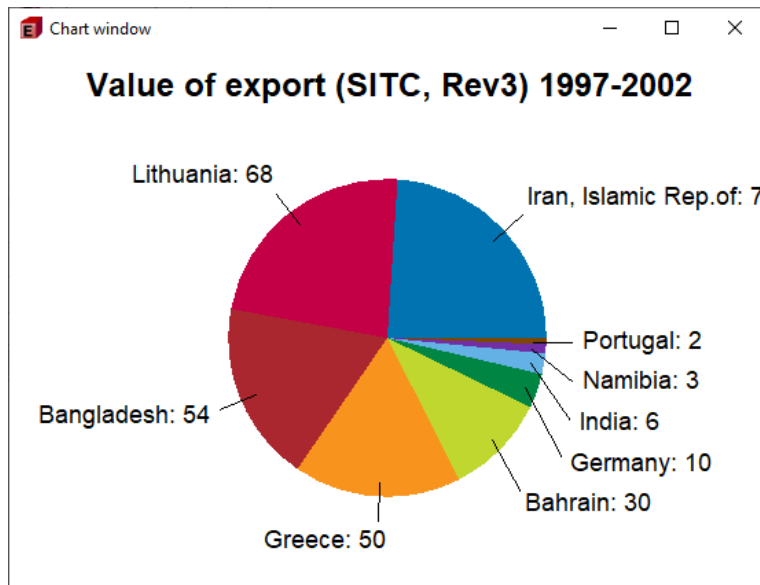
- **Graph [Ctrl+g]**
 - opens a window for selecting the desired data area and chart type
- **Find and Replace [Ctrl+f]**
 - opens a window for determining the data value or data range to look for in the table
 - it is also possible to change the found values
- **Find value [Shift+Ctrl+f]**
 - opens a window for finding desired text in a long value list

Graphs: selection and chart window



- Selection window

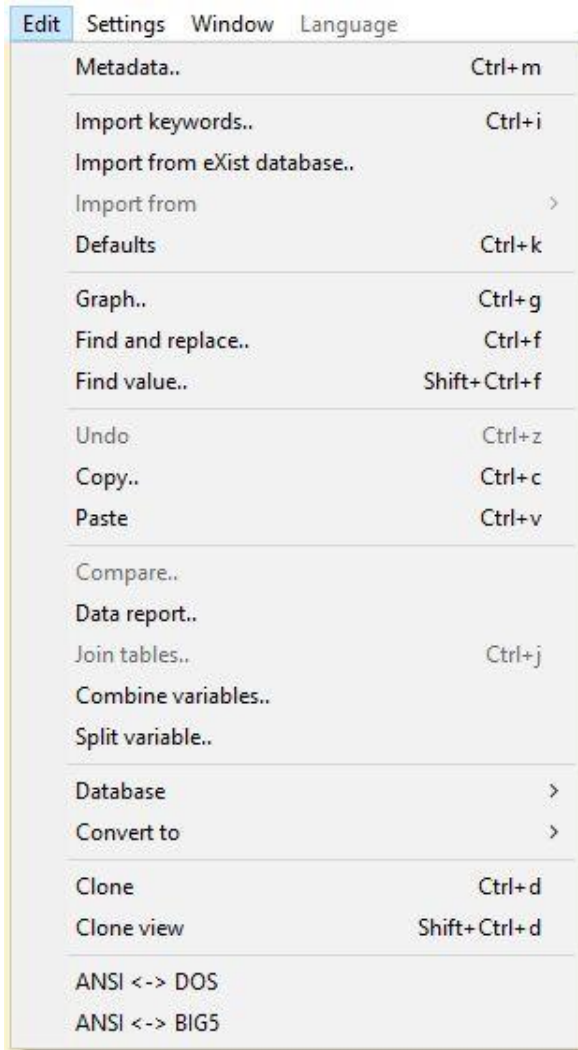
- there are **five** possible chart types, which are available according to the selection



- Chart window

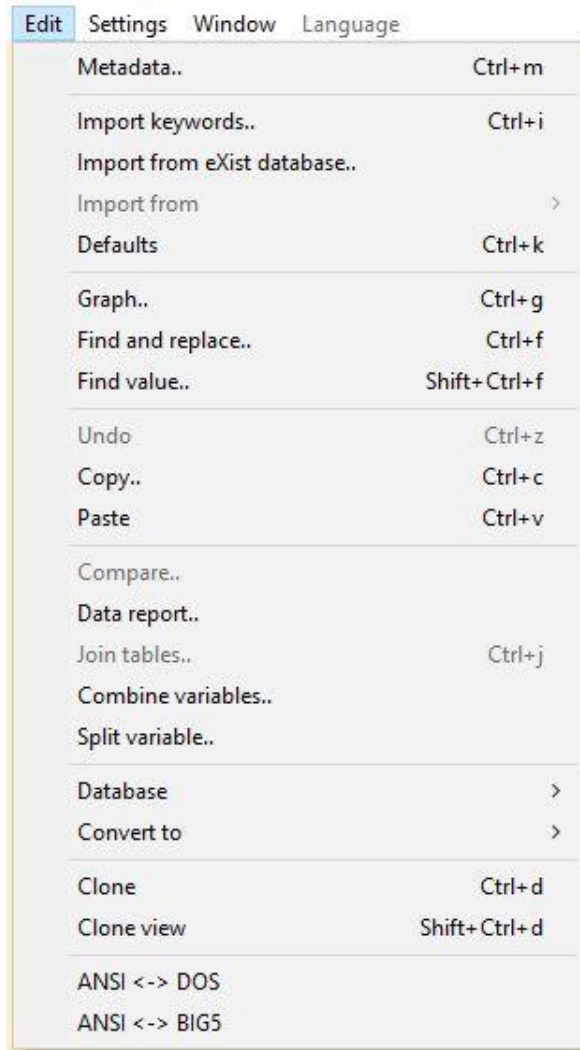
- double-clicking opens the settings window for fine-tuning chart elements (e.g. legend and title)
- right-clicking opens the pop-up menu for chart operations (e.g. saving to a file or copying to clipboard)

Edit menu /3



- **Undo [Ctrl+z]**
 - undo the last edit (either cell change or clipboard copy) in the active table
- **Copy [Ctrl+c]**
 - open a separate *Copy* window for copying data into the clipboard
 - the current cell works as the **anchor** cell
- **Paste [Ctrl+v]**
 - copy data from the clipboard into the table starting at the current cell
 - data will be copied as far as possible

Edit menu /4



- Compare
 - open the *Compare* window
 - active if more than one table is open
- Data Report
 - shows the data report for the data part of the table
- Join tables [**Ctrl+j**]
 - open the *Join* window
 - active only if at least two tables with the same number of variables are open
- Combine variables
- Split variable

Compare variables

Compare texts or codes

Tables ☐ Codes

[1] Value of export (SITC, Rev) [2] Value of imports (SITC, Re)

Variables 28 / 108 / 161 28 / 108 / 165

countries country

Total	Total
Algeria	Afghanistan
Antigua and Barbuda	Albania
Argentina	Algeria
Aruba	Antigua and Barbuda
Austria	Argentina
Australia	Austria
Bahrain	Australia
United States	Bahamas
Bangladesh	Bahrain
Barbados	United States
Belgium	Bangladesh
Belize	Barbados
Bermuda	Belgium
Bosnia and Herzegovina	Bermuda
Botswana	Bosnia and Herzegovina
Bolivia	Bolivia
Brazil	Brazil

Check Close

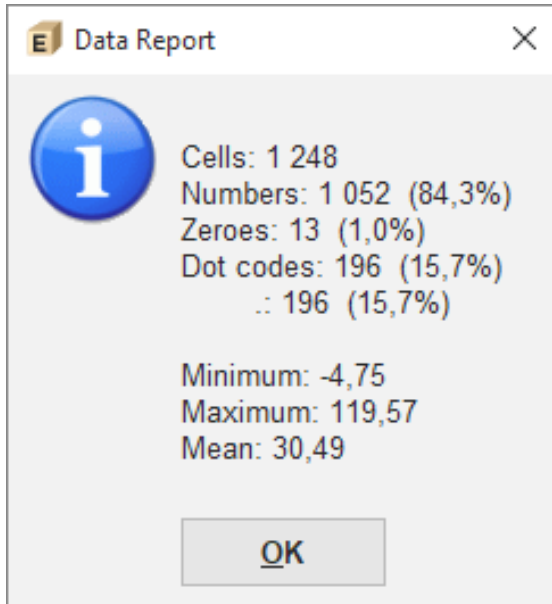
- Visual tool for variable comparison
 - case-insensitive
 - green = the value is in the other list
 - red = the value is not in the other list
- Code comparison is also possible
- **Check** button calculates the total sum and compares the table data cell by cell

Checksum results

Table checksums: 3793617277 and 4533064895.
The table views are not equal.

OK

Data report



- Shows some information about the data part
 - number of cells
 - number of figures (i.e. other than dot codes)
 - used dot codes and their percentages
- Some other statistics

Join tables

Join tables

Original [en] Combine [en]

[1] Value of export (SITC, Rev3) 1997-20 [2] Value of imports (SITC, Rev 3) 1997-:

☐ replace all metadata ☐ replace missing metadata ☒ do not replace metadata

☐ Do not make a multilingual table

Match joining variables

☒ Exact match ☐ Bypass fill items

396 x 190 = 75 240

<input type="radio"/> year	6 / 6	year	6 / 6	6
<input type="radio"/> SITC	62 / 62	SITC	62 / 66	66
<input checked="" type="radio"/> countries	136 / 161	country	136 / 165	190

☐ Codes ☐ Do not match ☐ Use original values only ☐ Replace value metadata

Total	Total
Algeria	Algeria
Antigua and Barbuda	Antigua and Barbuda
Argentina	Argentina
Aruba	
Austria	Austria
Australia	Australia

☐ Close the original tables ☐ Close the window ☐ Multiple join ☐ Merge

Join Close

- Any two tables with the **same number of variables** may be joined
 - the variables will be joined according to the current order (changeable)
 - the active table is selected to the left as default if possible
- There are plenty of fine-tuning options
 - metadata copying
 - multiple table joining
 - value text arranging
 - **value merging after the join operation**
 - **fill item bypassing**
- The result is always a **new table**

Multiple table joining

Join multiple tables

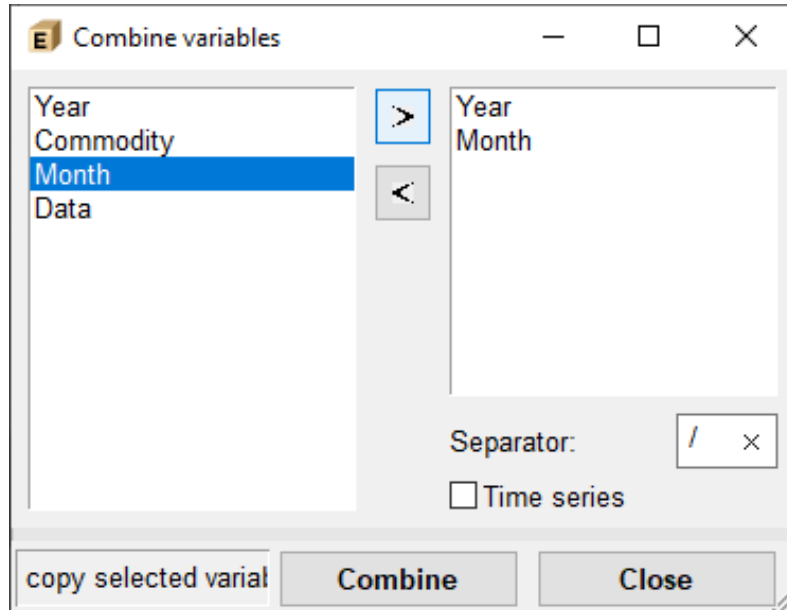
<input checked="" type="checkbox"/>	[1] Viennin kehitys koko maassa by Vuosi, Kuukausi, Maakunta, Toimialat and In...
<input checked="" type="checkbox"/>	[2] Viennin kehitys Uudellamaalla by Vuosi, Kuukausi, Maakunta, Toimialat and In...
<input checked="" type="checkbox"/>	[3] Viennin kehitys Itä-Uudellamaalla by Vuosi, Kuukausi, Maakunta, Toimialat an...
<input checked="" type="checkbox"/>	[4] Viennin kehitys Varsinais-Suomessa by Vuosi, Kuukausi, Maakunta, Toimialat...
<input checked="" type="checkbox"/>	[5] Viennin kehitys Satakunnassa by Vuosi, Kuukausi, Maakunta, Toimialat and I...
<input checked="" type="checkbox"/>	[6] Viennin kehitys Kanta-Hämeessä by Vuosi, Kuukausi, Maakunta, Toimialat an...
<input checked="" type="checkbox"/>	[7] Viennin kehitys Pirkanmaalla by Vuosi, Kuukausi, Maakunta, Toimialat and In...
<input checked="" type="checkbox"/>	[8] Viennin kehitys Päijät-Hämeessä by Vuosi, Kuukausi, Maakunta, Toimialat an...
<input checked="" type="checkbox"/>	[9] Viennin kehitys Kymenlaaksossa by Vuosi, Kuukausi, Maakunta, Toimialat an...
<input checked="" type="checkbox"/>	[10] Viennin kehitys Etelä-Karjalassa by Vuosi, Kuukausi, Maakunta, Toimialat an...
<input checked="" type="checkbox"/>	[11] Viennin kehitys Etelä-Savossa by Vuosi, Kuukausi, Maakunta, Toimialat and ...
<input checked="" type="checkbox"/>	[12] Viennin kehitys Pohjois-Savossa by Vuosi, Kuukausi, Maakunta, Toimialat a...
<input checked="" type="checkbox"/>	[13] Viennin kehitys Pohjois-Karjalassa by Vuosi, Kuukausi, Maakunta, Toimialat ...
<input checked="" type="checkbox"/>	[14] Viennin kehitys Keski-Suomessa by Vuosi, Kuukausi, Maakunta, Toimialat a...
<input checked="" type="checkbox"/>	[15] Viennin kehitys Etelä-Pohjanmaalla by Vuosi, Kuukausi, Maakunta, Toimialat...
<input checked="" type="checkbox"/>	[16] Viennin kehitys Pohjanmaalla by Vuosi, Kuukausi, Maakunta, Toimialat and I...
<input checked="" type="checkbox"/>	[17] Viennin kehitys Keski-Pohjanmaalla by Vuosi, Kuukausi, Maakunta, Toimiala...
<input checked="" type="checkbox"/>	[18] Viennin kehitys Pohjois-Pohjanmaalla by Vuosi, Kuukausi, Maakunta, Toimia...
<input checked="" type="checkbox"/>	[19] Viennin kehitys Kainuussa by Vuosi, Kuukausi, Maakunta, Toimialat and Ind...
<input checked="" type="checkbox"/>	[20] Viennin kehitys Lapissa by Vuosi, Kuukausi, Maakunta, Toimialat and Indeksit

☐ Match joining variables 144 x 16 = 2 304 ⬆ ⬇ ⬇ ⬇

combine the tables **Join** Close

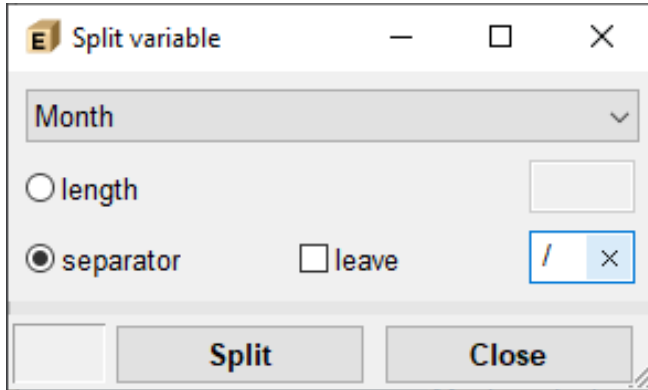
- If there are more than two tables open that have the **same number of variables**, the *Multiple join* check box will be active
- The **Join** button will open a separate multiple table joining window if selected
 - join tables can be **selected** with the check boxes
 - the joining **order** may be changed

Variable combining



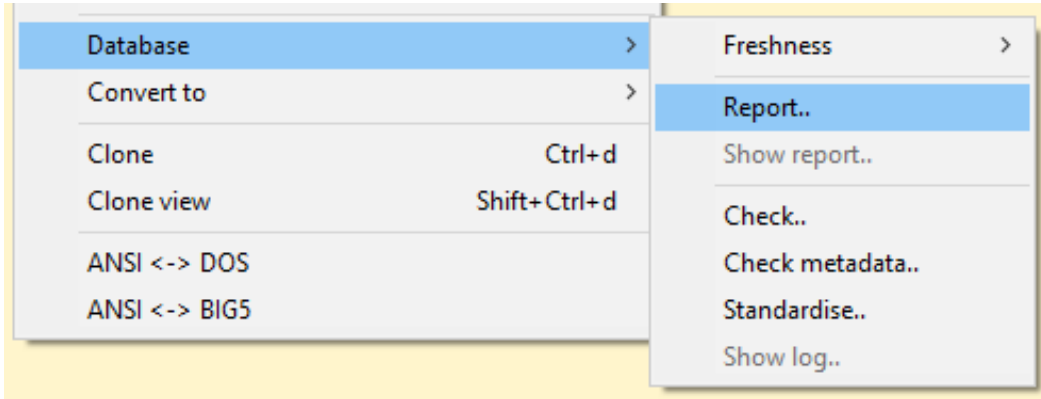
- The left list shows the table variables
- The right list contains the variables to be combined
 - the variables may be copied (and removed) by double-clicking the variable names or using the angle buttons
- The *Time series* selection will make the corresponding *TIMEVAL* expression, if possible
- The result is always a **new** table with the combined variable
 - the corresponding keywords will be changed or removed

Variable splitting



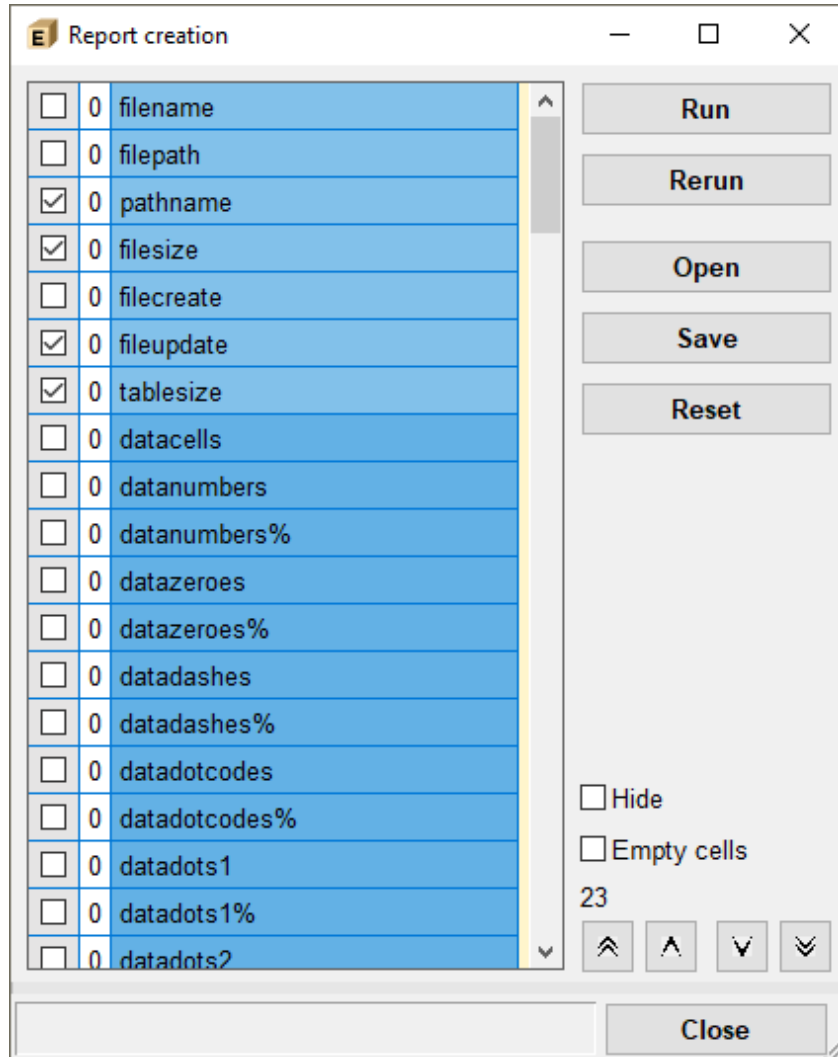
- The drop-down menu shows the table variables
- The selected variable may be split in **two** based either on the length of the (coded) value text or on the special separator
 - the value texts and codes will be split according to the chosen method
 - all the new values and codes must be **unique**
- The result will be a **new** table with a new variable
 - the new variable name will just have a numerical suffix (e.g. *Month-2*)

Edit|Database menu /1



- *Freshness* sub-menu
 - set how old files will be read in the database functions
- **Report**
 - create database report
- **Show report**
 - if the report has been run during the session and the report window has been closed, this selection reopens it
- **Check**
 - read all px files in the database and make an error log of each detected problem

Database report /1



- The left list shows the report contents
 - special controls (0)
 - keywords (levels 1..4)
- The report consists of selected controls and possible filters
 - double clicking any keyword or filter controls (with dark blue background) opens a different input window in which the filter values may be added
 - filtering texts are not type checked (e.g. language codes) and they are not case sensitive
 - the keyword filters affect only the keyword output, thus making empty cells in the report

Database report /2

Report creation

<input type="checkbox"/>	0	filename
<input type="checkbox"/>	0	filepath
<input checked="" type="checkbox"/>	0	pathname
<input checked="" type="checkbox"/>	0	filesize
<input type="checkbox"/>	0	filecreate
<input checked="" type="checkbox"/>	0	fileupdate
<input checked="" type="checkbox"/>	0	tablesize
<input type="checkbox"/>	0	datacells
<input type="checkbox"/>	0	datanumbers
<input type="checkbox"/>	0	datanumbers%
<input type="checkbox"/>	0	datazeroes
<input type="checkbox"/>	0	datazeroes%
<input type="checkbox"/>	0	datadashes
<input type="checkbox"/>	0	datadashes%
<input type="checkbox"/>	0	datadotcodes
<input type="checkbox"/>	0	datadotcodes%
<input type="checkbox"/>	0	datadots1
<input type="checkbox"/>	0	datadots1%
<input type="checkbox"/>	0	datadots2

Run
Rerun
Open
Save
Reset

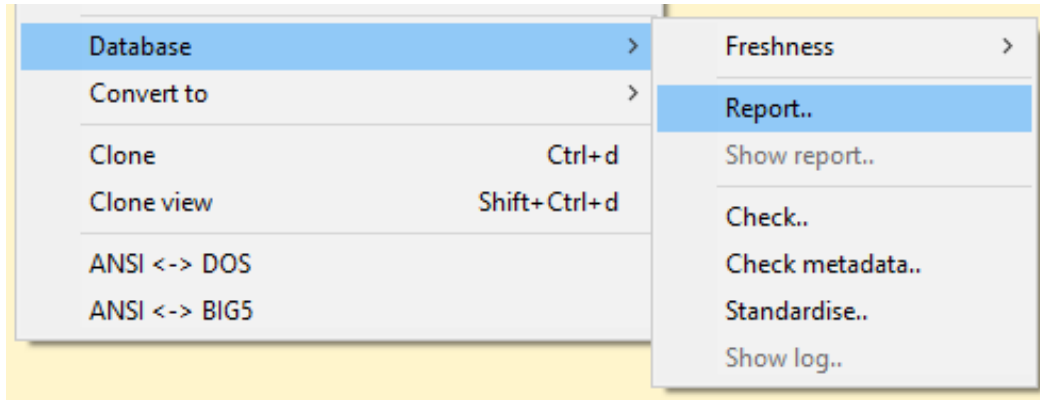
☐ Hide
☐ Empty cells

23

Close

- The **Rerun** button is active, if the report has been run previously
 - the run location is remembered across sessions, but special settings are not
- The defined report may be **saved** as a csv file for further use
 - may be used as a control file in PxJob reporting
- The angle buttons may be used for changing the default order

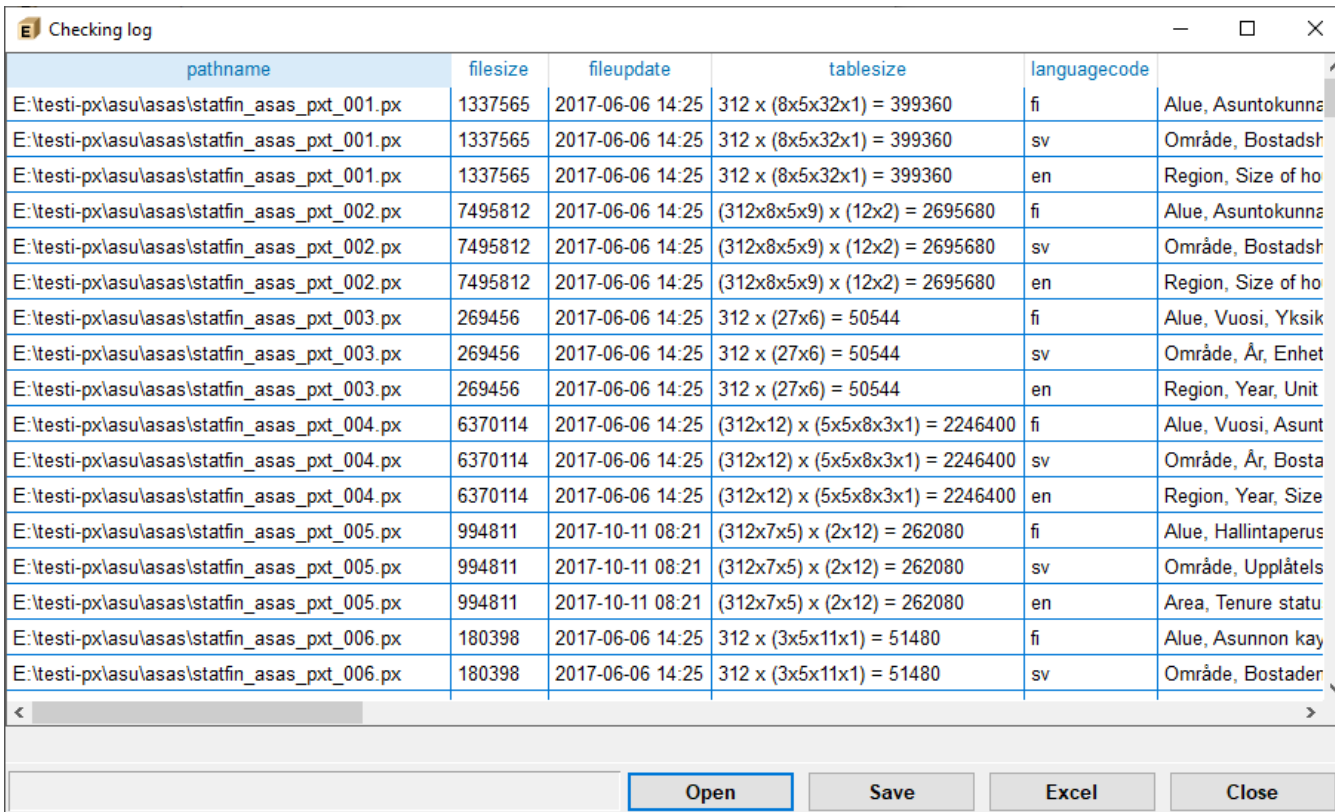
Edit|Database menu /2



- Check metadata
 - like *Check*, but the data part is not checked (making the process a lot quicker)
- Standardise
 - like *Check*, but the files will be written back to the database
 - the *Settings/Keep file date* and *Settings/Freshness* settings may be usable
- Show log
 - this selection opens the latest *Check*, *Standardise* or *Convert* log

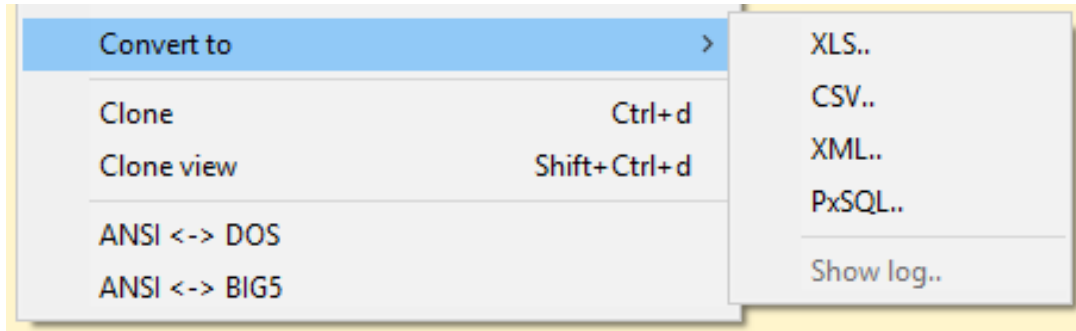
Database report log

- The report may be copied to Excel or saved as a csv file
 - a selected file can also be **opened** in PxEdit
 - the columns may be **sorted** by double-clicking the headers



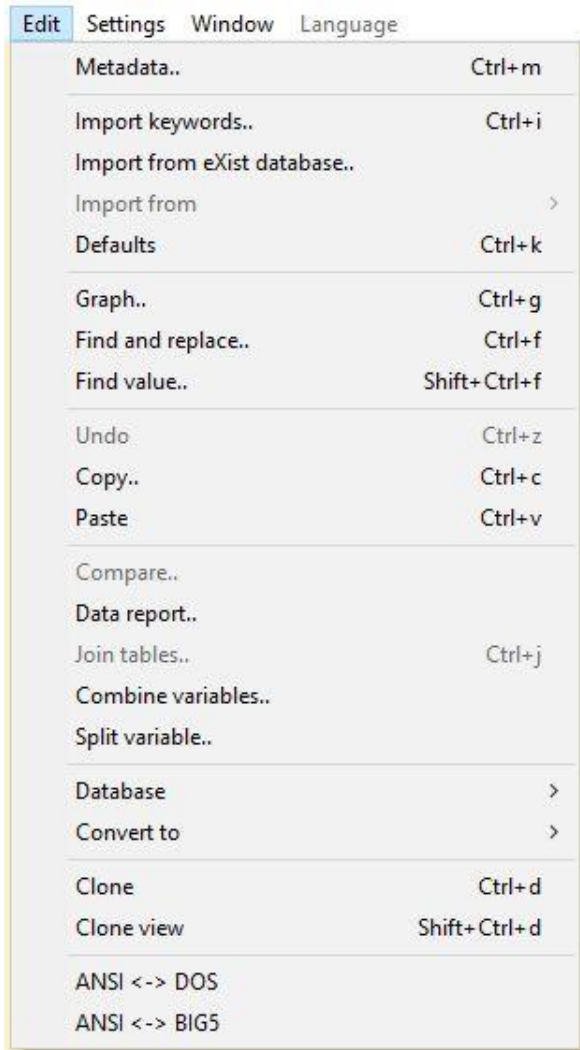
pathname	filesize	fileupdate	tablesize	languagecode	
E:\testi-px\asu\asas\statfin_asas_pxt_001.px	1337565	2017-06-06 14:25	312 x (8x5x32x1) = 399360	fi	Alue, Asuntokunna
E:\testi-px\asu\asas\statfin_asas_pxt_001.px	1337565	2017-06-06 14:25	312 x (8x5x32x1) = 399360	sv	Område, Bostadsh
E:\testi-px\asu\asas\statfin_asas_pxt_001.px	1337565	2017-06-06 14:25	312 x (8x5x32x1) = 399360	en	Region, Size of ho
E:\testi-px\asu\asas\statfin_asas_pxt_002.px	7495812	2017-06-06 14:25	(312x8x5x9) x (12x2) = 2695680	fi	Alue, Asuntokunna
E:\testi-px\asu\asas\statfin_asas_pxt_002.px	7495812	2017-06-06 14:25	(312x8x5x9) x (12x2) = 2695680	sv	Område, Bostadsh
E:\testi-px\asu\asas\statfin_asas_pxt_002.px	7495812	2017-06-06 14:25	(312x8x5x9) x (12x2) = 2695680	en	Region, Size of ho
E:\testi-px\asu\asas\statfin_asas_pxt_003.px	269456	2017-06-06 14:25	312 x (27x6) = 50544	fi	Alue, Vuosi, Yksik
E:\testi-px\asu\asas\statfin_asas_pxt_003.px	269456	2017-06-06 14:25	312 x (27x6) = 50544	sv	Område, År, Enhet
E:\testi-px\asu\asas\statfin_asas_pxt_003.px	269456	2017-06-06 14:25	312 x (27x6) = 50544	en	Region, Year, Unit
E:\testi-px\asu\asas\statfin_asas_pxt_004.px	6370114	2017-06-06 14:25	(312x12) x (5x5x8x3x1) = 2246400	fi	Alue, Vuosi, Asunt
E:\testi-px\asu\asas\statfin_asas_pxt_004.px	6370114	2017-06-06 14:25	(312x12) x (5x5x8x3x1) = 2246400	sv	Område, År, Bosta
E:\testi-px\asu\asas\statfin_asas_pxt_004.px	6370114	2017-06-06 14:25	(312x12) x (5x5x8x3x1) = 2246400	en	Region, Year, Size
E:\testi-px\asu\asas\statfin_asas_pxt_005.px	994811	2017-10-11 08:21	(312x7x5) x (2x12) = 262080	fi	Alue, Hallintaperus
E:\testi-px\asu\asas\statfin_asas_pxt_005.px	994811	2017-10-11 08:21	(312x7x5) x (2x12) = 262080	sv	Område, Upplåtels
E:\testi-px\asu\asas\statfin_asas_pxt_005.px	994811	2017-10-11 08:21	(312x7x5) x (2x12) = 262080	en	Area, Tenure statu
E:\testi-px\asu\asas\statfin_asas_pxt_006.px	180398	2017-06-06 14:25	312 x (3x5x11x1) = 51480	fi	Alue, Asunnon kay
E:\testi-px\asu\asas\statfin_asas_pxt_006.px	180398	2017-06-06 14:25	312 x (3x5x11x1) = 51480	sv	Område, Bostader

Edit|Convert to menu



- Database files may be converted to different file formats
 - there are many settings in the *Settings* menu, which should be checked first
- The conversion log will be shown in a separate window
- Show log
 - this selection opens the latest *Convert*, *Check* or *Standardise* log

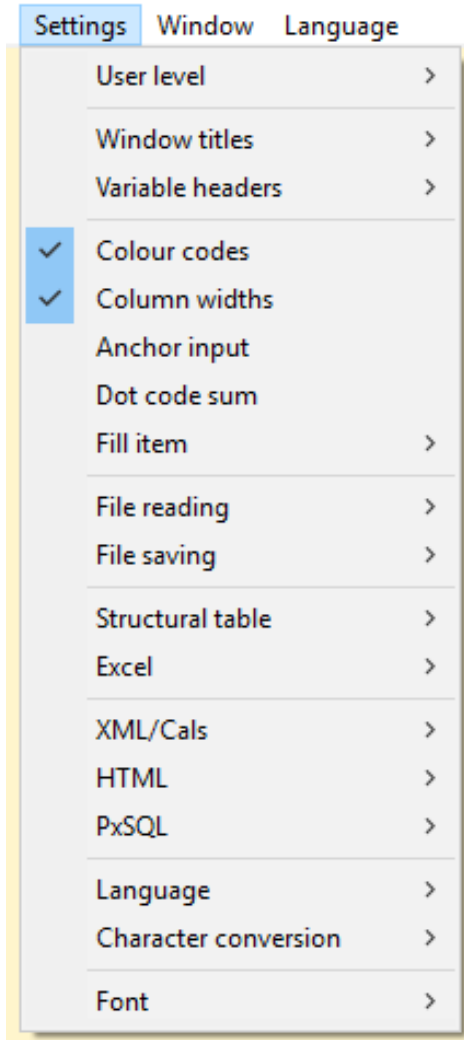
Edit menu /5



- Clone [**Ctrl+d**]
 - duplicate the table (**with** editing history)
- Clone view [**Shift+Ctrl+d**]
 - copy the table with the current settings, i.e. tabulation, selections, ordering and value texts (**without** editing history)
- ANSI <-> DOS
 - if the input file is converted incorrectly as DOS or ANSI coded, the coding can be reversed with this function
- ANSI <-> BIG5
 - enables the **Taiwanese** character conversions
 - shown only if the `big5_conversion` option is set in the ini file

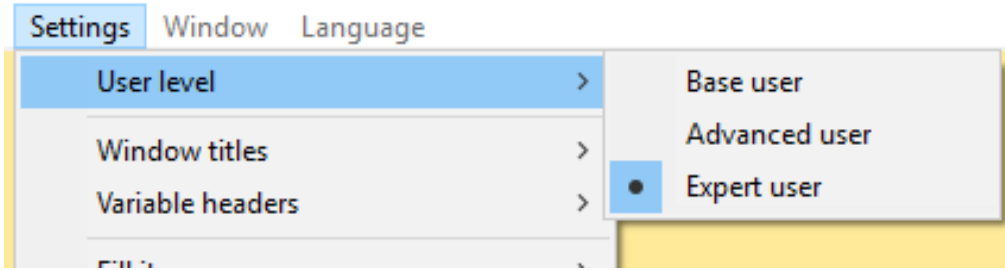
Settings menu

Settings menu /1



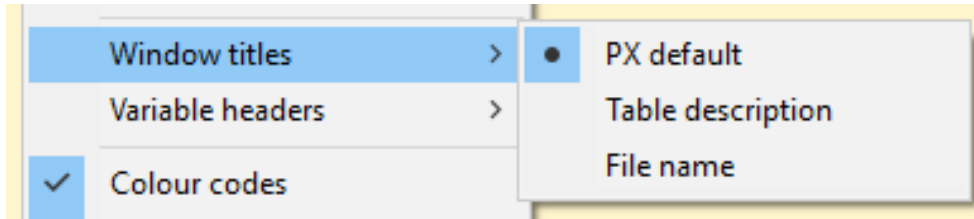
- *User level* sub-menu
- *Window Titles* sub-menu
- *Variable Headers* sub-menu
- Colour codes
 - show the range colouring in tables
- Column widths
 - resize columns automatically
- Anchor input
 - keep the field edit windows in place
- Dot code sum
 - select between PxEdit and px summing methods

Settings|User level menu



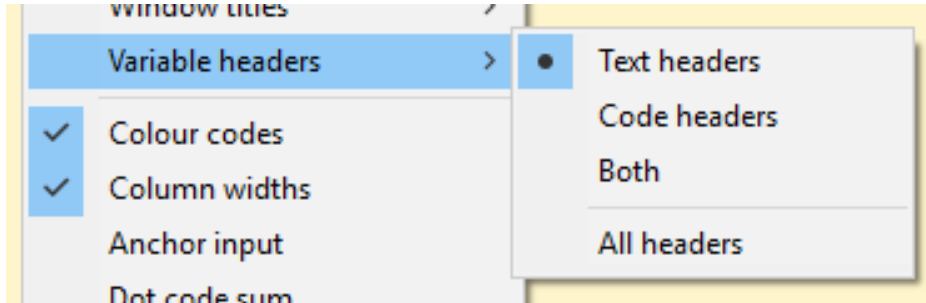
- The settings affect the user interface
 - the user may change to the preferred setting anytime
- Base user
 - minimum set of menu choices, action controls and functionality
 - **no** data editing allowed
 - suitable for beginners
- Advanced user
 - most used functions available
- Expert user
 - all functions available
 - used in this documentation

Settings|Window titles menu



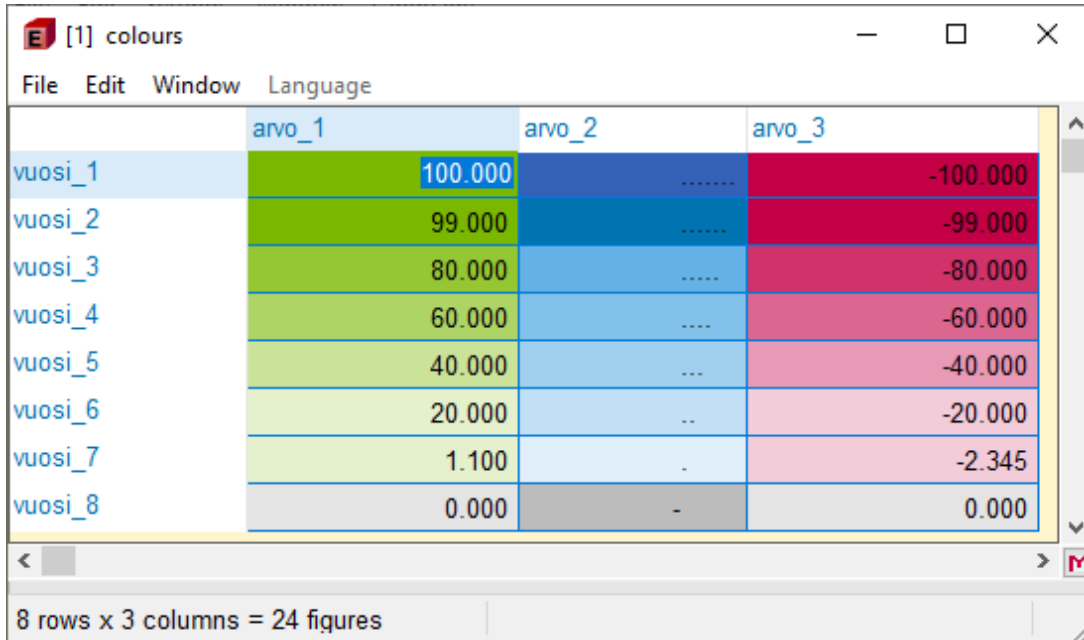
- PX default
 - Window title from the *TITLE* keyword
- Table description
 - Window title from the *DESCRIPTION* keyword
- File name
 - Full path name

Settings|Variable headers menu



- *Text, Code or Both* headers
 - show the value texts in titles (blue), or
 - show the value codes in titles (red), or
 - show both in titles (purple)
- *All* headers
 - if set, show all values for all variables
 - if not set, show the hierarchical structure

Cell colouring

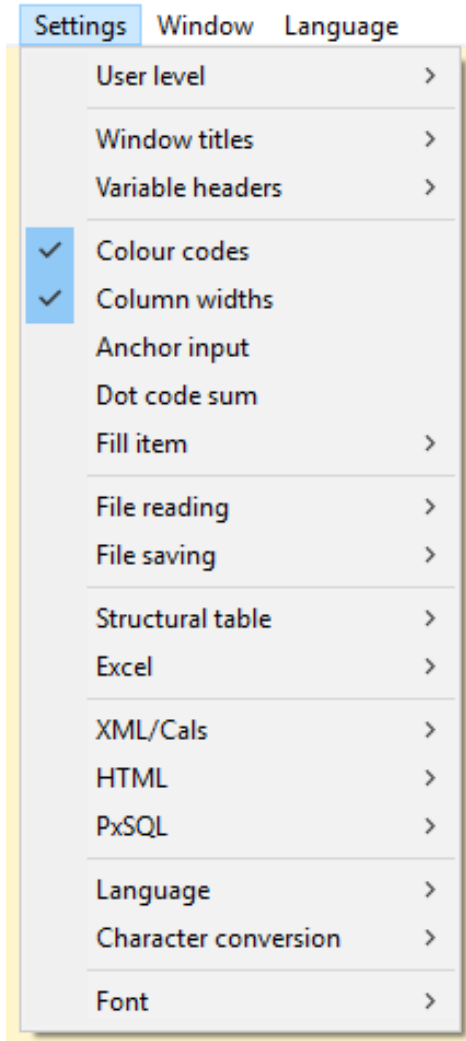


	arvo_1	arvo_2	arvo_3
vuosi_1	100.000	-100.000
vuosi_2	99.000	-99.000
vuosi_3	80.000	-80.000
vuosi_4	60.000	-60.000
vuosi_5	40.000	...	-40.000
vuosi_6	20.000	..	-20.000
vuosi_7	1.100	.	-2.345
vuosi_8	0.000	-	0.000

8 rows x 3 columns = 24 figures

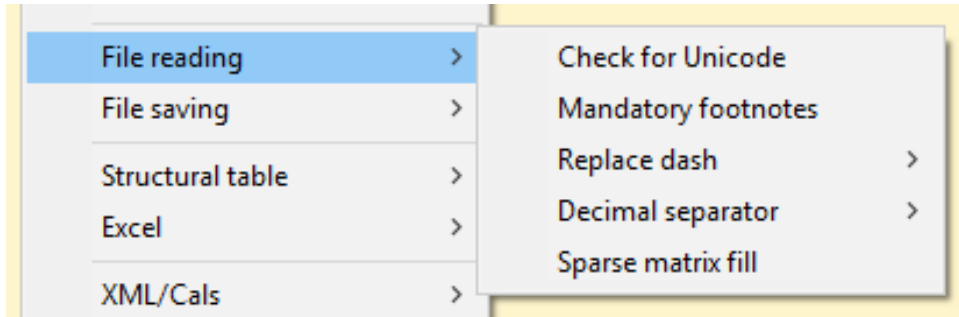
- Statistics Finland's colour palette
 - five green shades for positive figures
 - five red shades for negative figures
 - blue shades for dot codes
 - zeros and nils are grey
- Can be changed in the main ini file ([Colours] section)

Settings menu /2



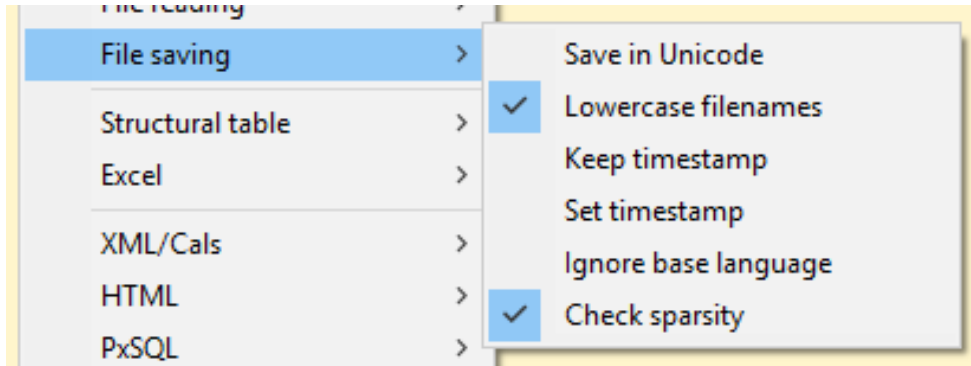
- Sub-menus for
 - which value will be used for the *Fill Item*
 - file reading settings
 - px file saving settings
 - structural table saving settings
 - Excel saving settings
 - XML/Cals settings
 - HTML settings
 - PxSQL settings
 - interface language
 - character conversion settings
 - font selections

Settings|File reading menu



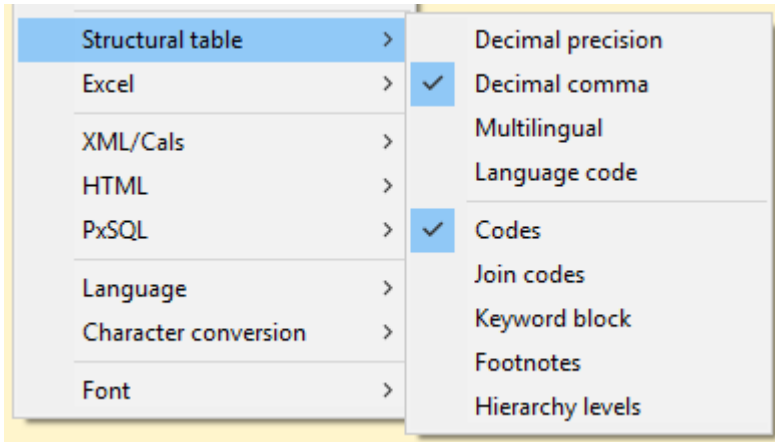
- Check for Unicode
 - check for the possible Unicode coding
- Mandatory footnotes
 - show the *NOTEX* keywords when opening the table
- *Replace dash* sub-menu
 - select the value used to replace the dash character when reading structural tables
- *Decimal separator* sub-menu
 - select the decimal separator for file reading (usually does not need to be set)
- Sparse matrix fill
 - are the sparse matrices filled with *Fill items* or zeros

Settings|File saving menu



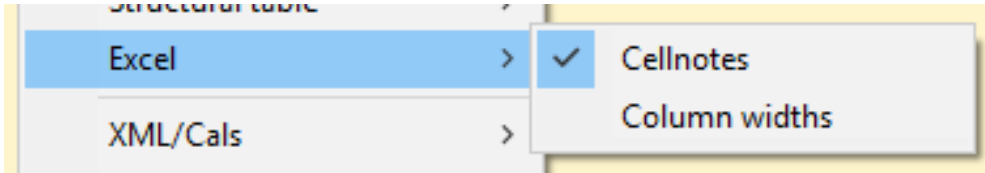
- Save in Unicode
 - will the output files be in **Unicode**
- Lowercase filenames
 - write output file names in **lowercase**
- Keep timestamp
 - will the file timestamp be updated when saving
- Set timestamp
 - will the file timestamp be set according to **LAST-UPDATED**
- Ignore base language
 - do not copy texts from base language
- Check sparsity
 - will the table be checked before sparse matrix saving to see if the sparse format is meaningful
 - uncheck this before saving a big matrix

Settings|Structural table menu

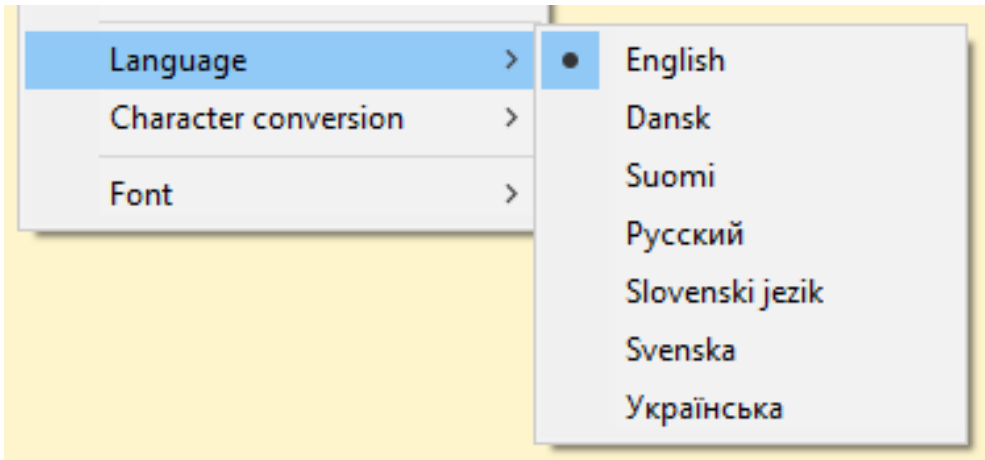


- **Decimal precision**
 - use the **shown** decimals when saving
- **Comma separator**
 - use comma as decimal separator
- **Multilingual**
 - make multilingual tables
- **Language code**
 - add language code to the header line
- **Codes**
 - add codes to the table
- **Join codes**
 - combine codes with the value texts
- **Keyword block**
 - add metadata description under the table
- **Footnotes**
 - add footnotes below the table
- **Hierarchy levels**
 - add hierarchy levels to the table

Settings|Excel and Language menus

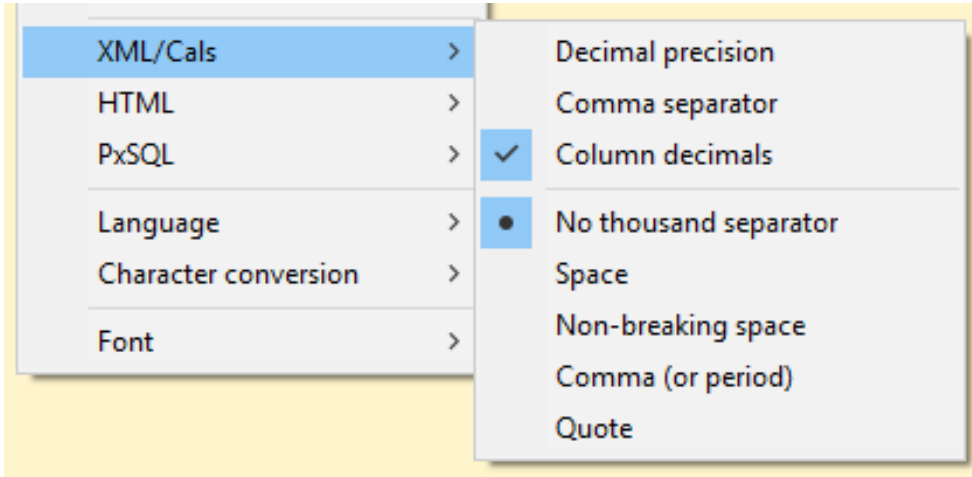


- Cellnotes
 - copy cell notes as Excel comments
- Column widths
 - set Excel column widths automatically



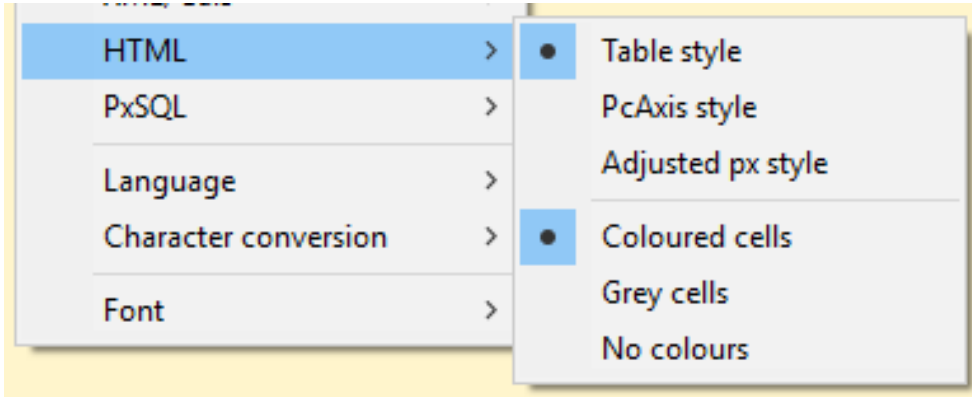
- Language menu shows all available **interface** languages
 - language files are in the *Languages* folder

Settings|XML/Cals menu



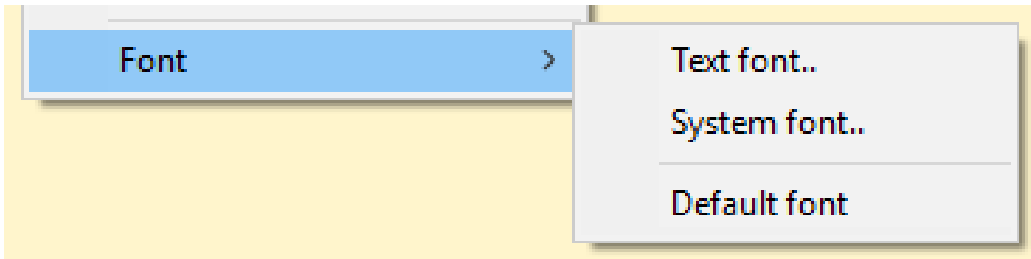
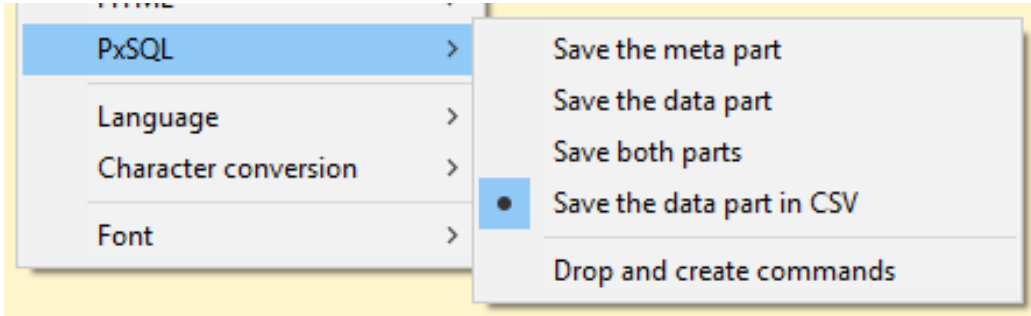
- **Decimal precision**
 - use the **shown** decimals when saving to Cals
- **Comma separator**
 - use comma as decimal separator
- **Column decimals**
 - set column decimals before saving (overrides the decimal precision setting)
- **Thousand separator settings**

Settings|HTML menu



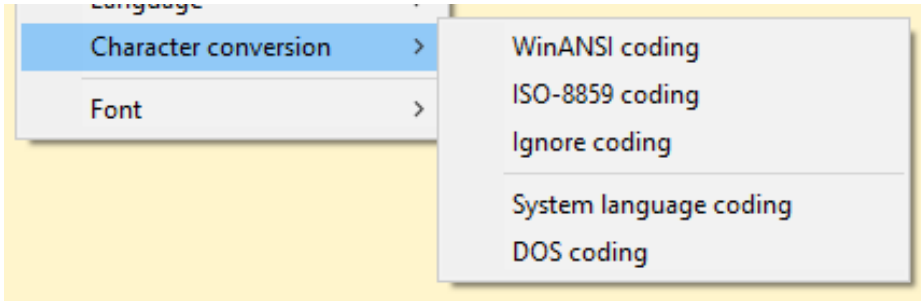
- **Table style**
 - mimics the way the table is shown in PxEdit window
- **PcAxis style**
 - indents the row variables the same way as PcAxis does
- **Adjusted PcAxis style**
 - puts the last variable as column variable and indents the table like PcAxis
- **Cell colouring settings**

Settings|PxSQL and Font menus



- Select the needed PxSQL output type
- System font affects mainly the **interface** elements
- Text font is being used for **input** fields, spreadsheets and lists
- The font size may be changed with **Ctrl+MouseWheel** or **Ctrl+UpArrow/DownArrow**

Settings|Character conversion menu



- WinANSI coding
- ISO-8859 coding
 - which character coding to use when saving px files
- Ignore coding
 - bypass the *CODEPAGE* setting when reading px files
- System language coding
 - whether the text encoding will be based upon the system or table language
- DOS coding
 - open the tables without *CHARSET* setting as DOS or WinANSI coded

Other menus

Window menu



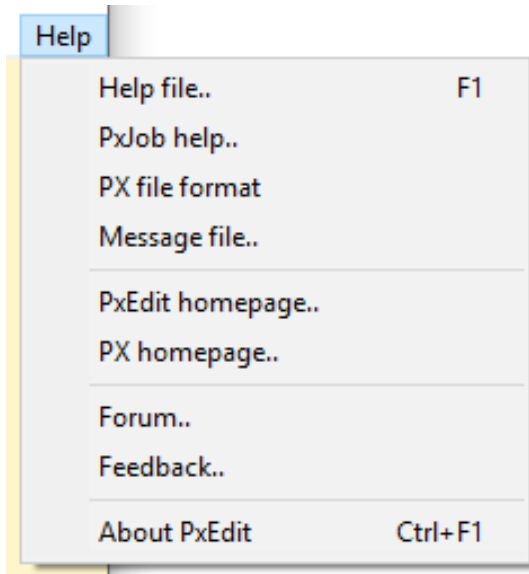
- **Fit [Shift+Ctrl+I]**
 - position the current table in the main window
- **Arrange [Ctrl+I]**
 - locate the table windows in the main window
- Table names may be used to change the active table
- Note: **Ctrl+Tab** shortcut can be used as well

Language menu

Language	
en	englanti
vi	Vietnamese
fo	Faroese
mk	Macedonian
uk	Ukrainian
ka	Georgian
hy	Armenian
da	Danish
kl	Kalaallisut

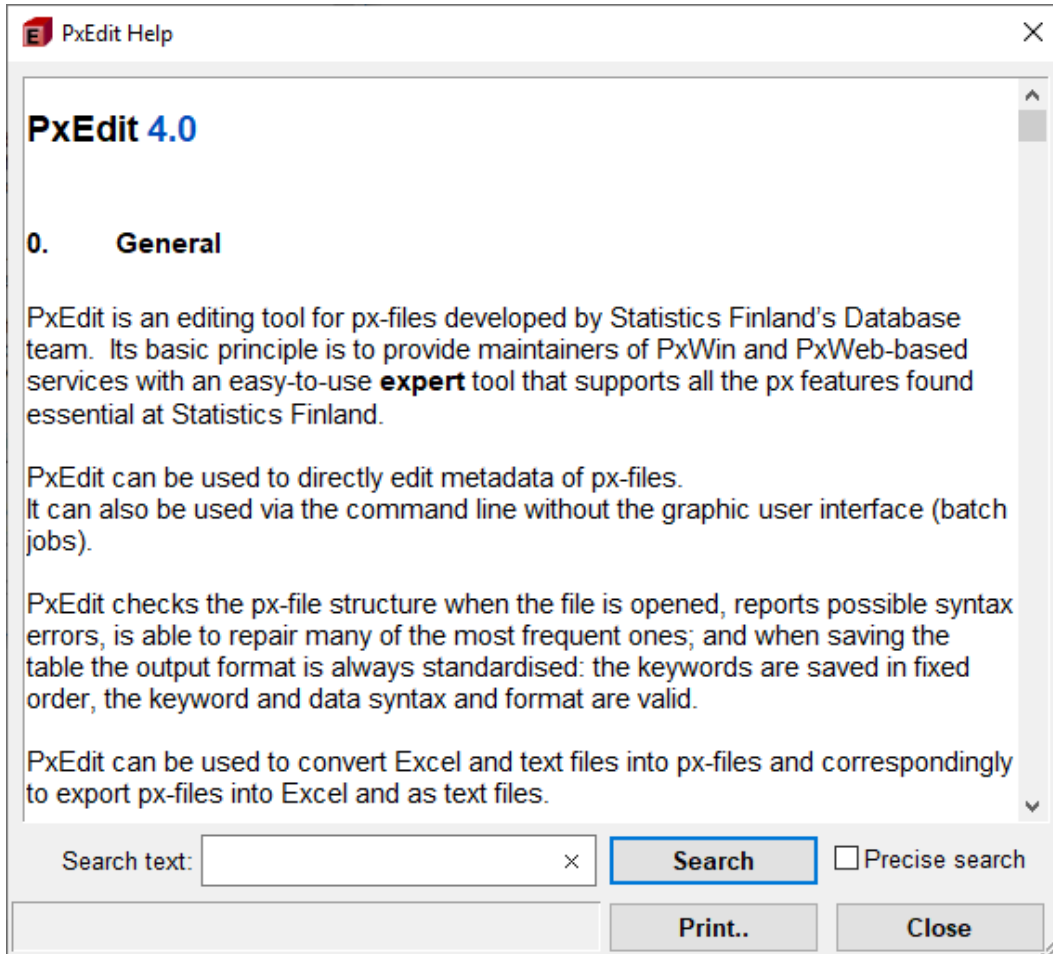
- The language shown in every open table may be changed with the *Language* menu
 - helps operating with several multilingual tables

Help menu



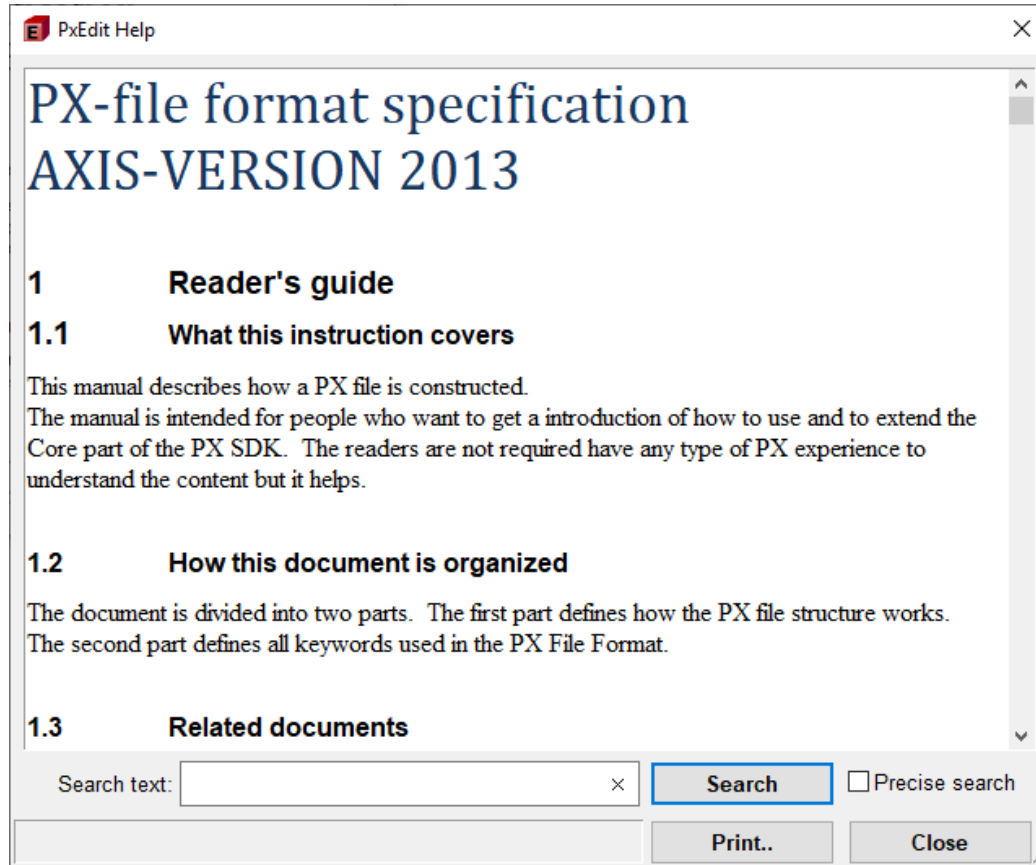
- Help file [**F1**]
- PxJob help
 - open the PxEdit or PxJob help file
- PX file format
 - open the px-file format description file
- Message file
 - if there is a `message_file` setting in the main settings file, this selection becomes available
- Forum
 - open the general discussion board in the browser
- Feedback
 - open Statistics Finland's feedback site

Help files



- A **separate** Rich Text (rtf) file
 - simple text search
 - clipboard support
 - no formatting, though
 - printable
- Pressing **F1** in the application should open the related section
- New features and changes are marked in blue
- The PxJob help file works the same way

PX-file format



- A separate rtf file
- Edited from documentation by SCB (Statistics Sweden)
- Simple text search
- Clipboard and printing supported

PxEdit homepage

The screenshot shows a web browser window with the address bar displaying www.stat.fi/tup/tilastotietokannat/px-tuoteperhe_en.html. The page is the English version of the Px suite homepage on the Statistics Finland website. The header includes the Statistics Finland logo, navigation links for Tilastokeskus and Statistikcentralen, and a search bar. A main navigation bar contains links for HOME, STATISTICS, METADATA, DATA COLLECTIONS, PRODUCTS AND SERVICES, NEWS, and STATISTICS FINLAND. The breadcrumb trail reads: Home > Products and services > Statistical databases > Px suite (former PcAxis suite). The left sidebar shows a hierarchy: PRODUCTS AND SERVICES > Statistical databases > Px suite (former PcAxis suite). The main content area is titled "Px suite (former PcAxis suite)" and describes it as a collection of programs for distributing and processing statistical tables. It also mentions PxWeb, a free web-based table distribution system used by all Nordic statistical institutes, and PxWin, which replaced the old PcAxis program. A cookie notice at the bottom states: "Our web service uses cookies to improve the user experience. By using the service, you consent to the use of cookies." with a link to "Read more about cookies" and a "Close" button.

Px suite (former PcAxis suite)

The Px suite is a collection of programs developed for the distribution and processing of statistical tables. They offer diverse possibilities to distribute and edit even large statistical tables, and to change structures, combine tables, make calculations and convert into other file formats.

PxWeb

PxWeb is a free web-based table distribution system for statistics producers. All Nordic statistical institutes use the PxWeb system. More information about the distribution system can be found on [the pages of Statistics Sweden \(SCB\)](#).

All of Statistics Finland's statistical databases have been created with the PxWeb distribution solution. In addition to Statistics Finland, some other producers of Official Statistics of Finland also maintain [PxWeb databases](#).

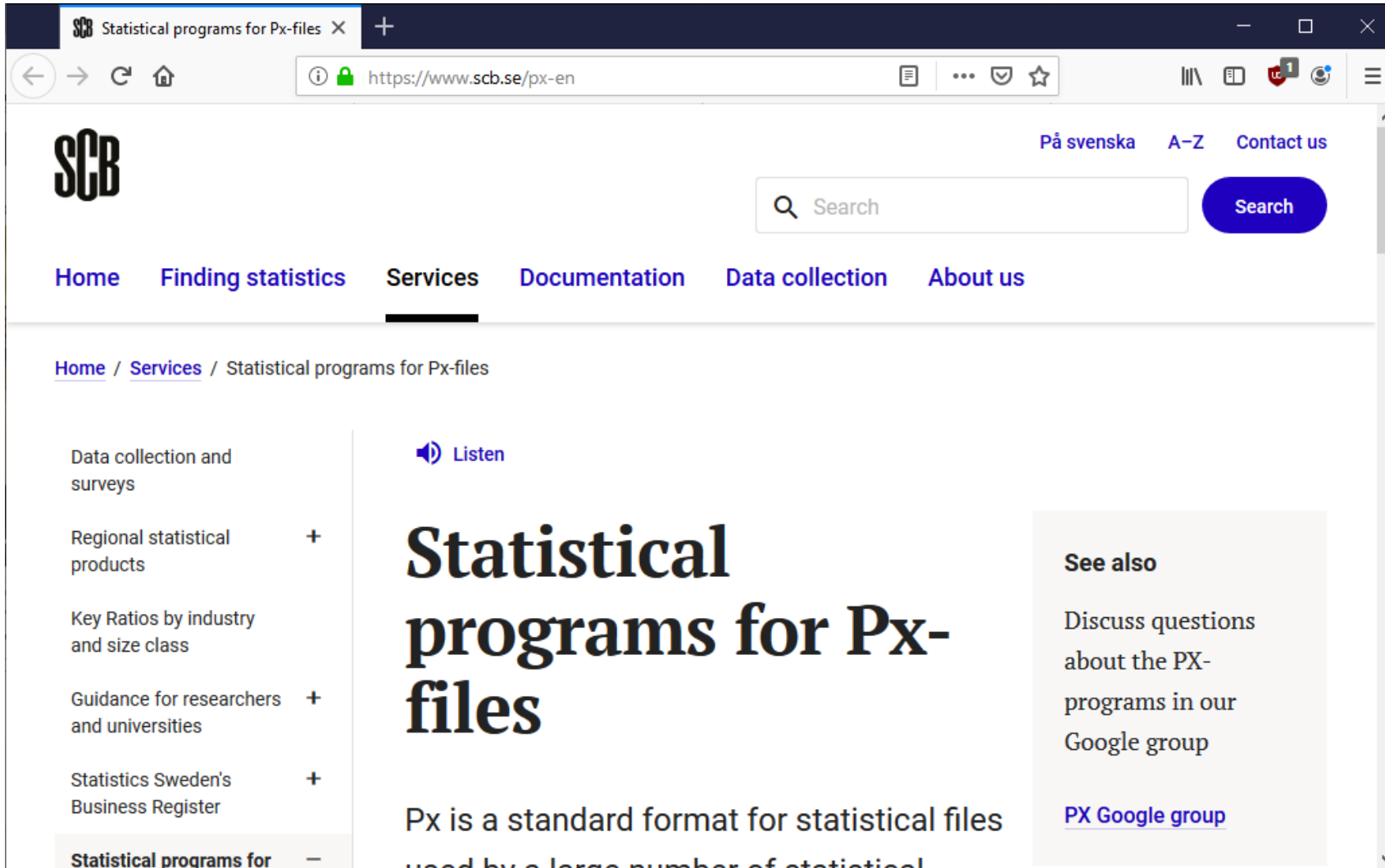
PxWin

PxWin has replaced the old PcAxis program. PxWin is an end-user application for browsing and

Our web service uses cookies to improve the user experience. By using the service, you consent to the use of cookies.
[Read more about cookies](#)

Close

PX homepage



The screenshot shows a web browser window with the URL <https://www.scb.se/px-en>. The page features the SCB logo in the top left corner. In the top right, there are links for "På svenska", "A-Z", and "Contact us". A search bar with a magnifying glass icon and the word "Search" is positioned below these links. A navigation menu is located below the search bar, with "Services" highlighted by a thick underline. The breadcrumb trail reads "Home / Services / Statistical programs for Px-files". On the left side, there is a sidebar with several menu items, each with a plus or minus icon: "Data collection and surveys", "Regional statistical products", "Key Ratios by industry and size class", "Guidance for researchers and universities", "Statistics Sweden's Business Register", and "Statistical programs for Px-files" (which is currently expanded). The main content area displays the title "Statistical programs for Px-files" in a large, bold font, preceded by a speaker icon and the word "Listen". Below the title, it states "Px is a standard format for statistical files used by a large number of statistical". To the right of the main content, there is a "See also" section with the text "Discuss questions about the PX-programs in our Google group" and a link to the "PX Google group".

SCB Statistical programs for Px-files

https://www.scb.se/px-en

På svenska A-Z Contact us

Search Search

Home Finding statistics **Services** Documentation Data collection About us

Home / Services / Statistical programs for Px-files

Data collection and surveys

Regional statistical products +

Key Ratios by industry and size class

Guidance for researchers and universities +

Statistics Sweden's Business Register +

Statistical programs for Px-files -

Statistical programs for Px-files

Listen

Px is a standard format for statistical files used by a large number of statistical

See also

Discuss questions about the PX-programs in our Google group

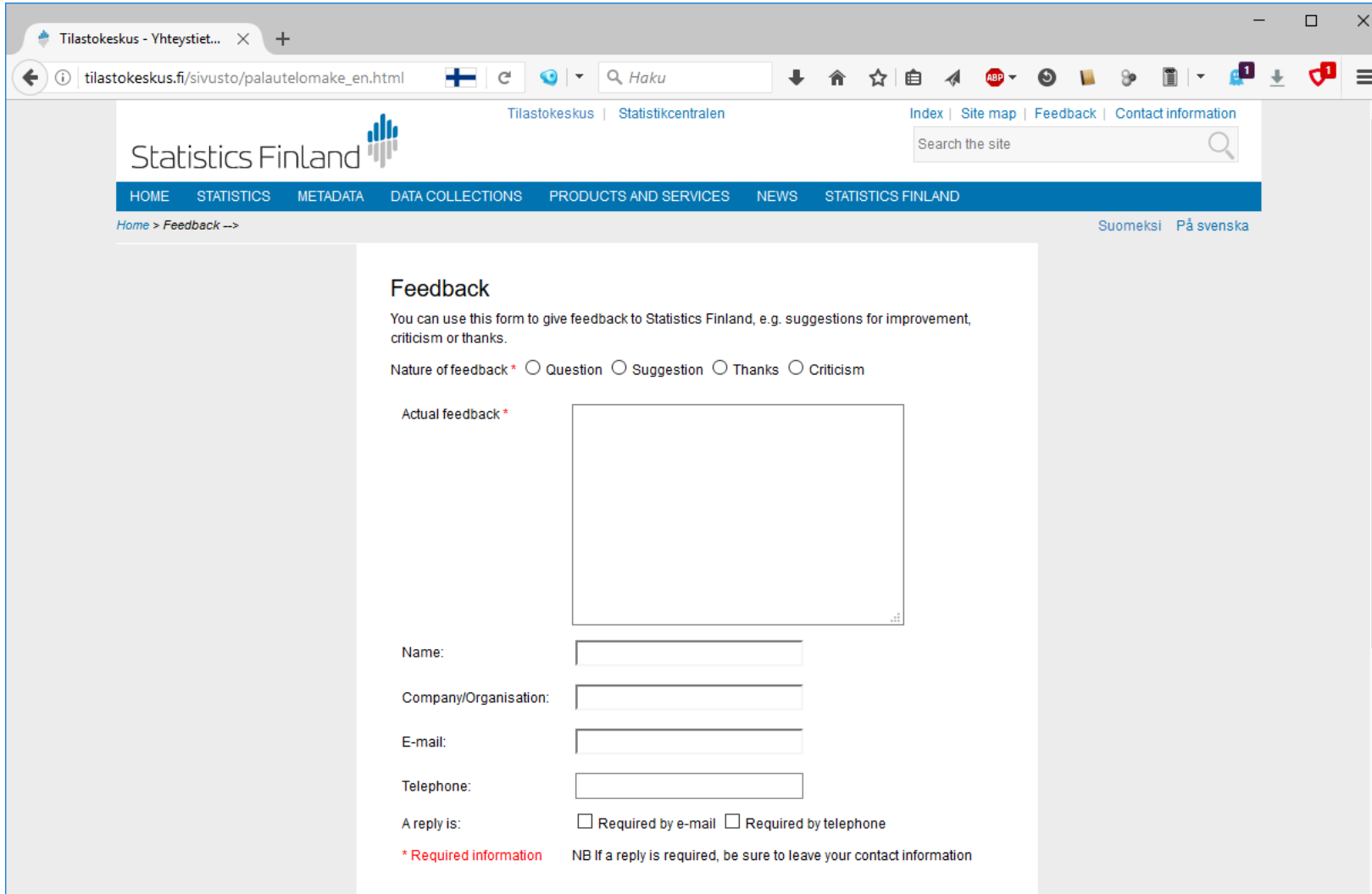
[PX Google group](#)

The discussion forum (GoogleGroup)

The screenshot shows a web browser window displaying the Google Groups forum for 'pcaxis'. The browser's address bar shows the URL 'https://groups.google.com/forum/?hl=en-GB'. The forum page has a search bar at the top with the text 'Search for messages'. Below the search bar, there are navigation buttons: 'NEW TOPIC', 'Mark all as read', and 'Filters'. The left sidebar contains a 'My groups' section with links to 'Home' and 'Starred', and a 'Favourites' section with a note: 'Click on a group's star icon to add it to your favourites'. The main content area shows a list of forum topics for the 'pcaxis' group, which is described as 'Shared privately' and has '31 of 139 topics (99+ unread)'. The topics listed are:

- PX-Win 1.2 (6)** By Åsa Arrhén, SCB - 6 posts - 41 views - 7 Feb
- PX Win 1.2 Tools menu not working (4)** By Goran K - 4 posts - 3 views - 12 Apr
- PC Axis International Meetings (1)** By Dannel Segun - 1 post - 4 views - 6 Apr
- Charts not showing in second language (7)** By Neil Cory, SLU - 7 posts - 17 views - 23 Mar
- [PX-WIN 1.2] connection with a Oracle Database (2)** By elisav...@gmail.com - 2 posts - 17 views - 17 Feb
- Select classification in px web (step2 choose variable) (1)** By Uldis Ainārs - 1 post - 14 views - 31 Jan
- Happy New Year :-) (3)** By Eyðun Nielsen, Statistics Faroe Islands - 3 posts - 26 views - 5 Jan
- Multi language synonyms - difference between PX-Edit and PX-Web (13)** By Eyðun Nielsen, Statistics Faroe Islands - 13 posts - 31 views - 02/12/2016
- Documentation on agg an vx files (2)** By Torbjörn Lindquist (konj.se) - 2 posts - 17 views - 29/11/2016
- Item with the same key error (21)**

The feedback site for Statistics Finland



The screenshot shows a web browser window with the URL `tilastokeskus.fi/sivusto/palautelomake_en.html`. The page is the feedback form for Statistics Finland. It features a blue header with the Statistics Finland logo and navigation links. The main content area is titled "Feedback" and includes instructions, a form for providing feedback, and contact information fields.

Feedback

You can use this form to give feedback to Statistics Finland, e.g. suggestions for improvement, criticism or thanks.

Nature of feedback * ☐ Question ☐ Suggestion ☐ Thanks ☐ Criticism

Actual feedback *

Name:

Company/Organisation:

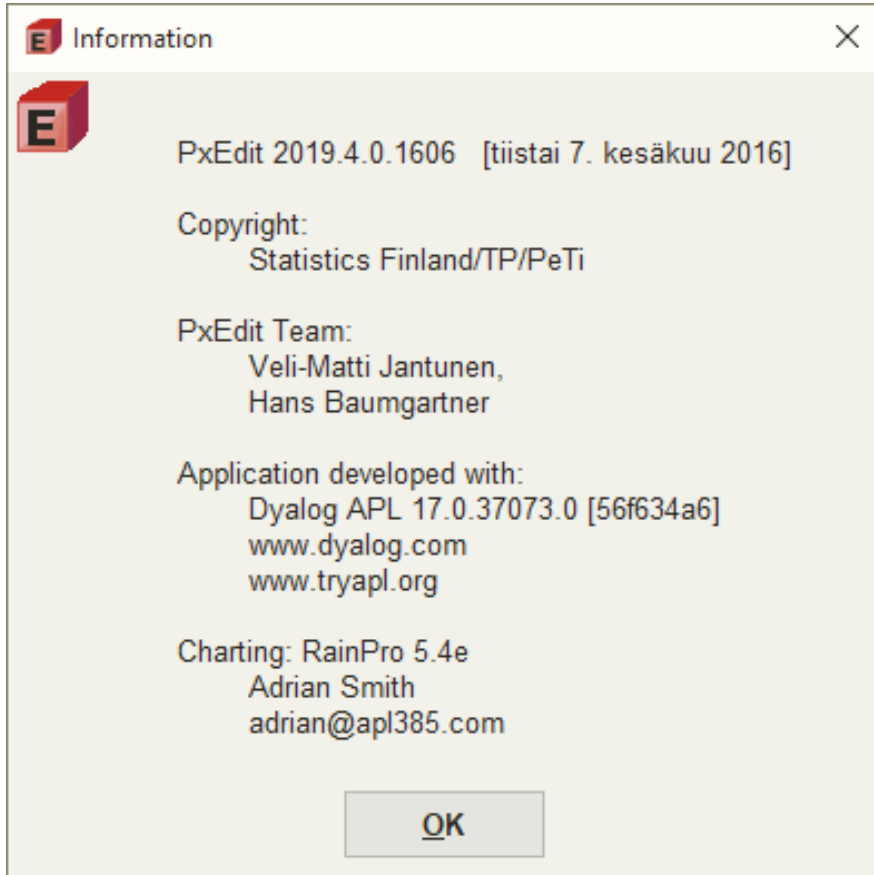
E-mail:

Telephone:

A reply is: ☐ Required by e-mail ☐ Required by telephone

* Required information NB If a reply is required, be sure to leave your contact information

About PxEdit [Ctrl+F1]



- Complete version number
- Creation date
- Credits, culprits and copyright
- The **DyalogAPL** version and [*BuildID*]
- The **RainPro** Graphics engine version
- **Alt+F1** shortcut shows a slightly more detailed information window