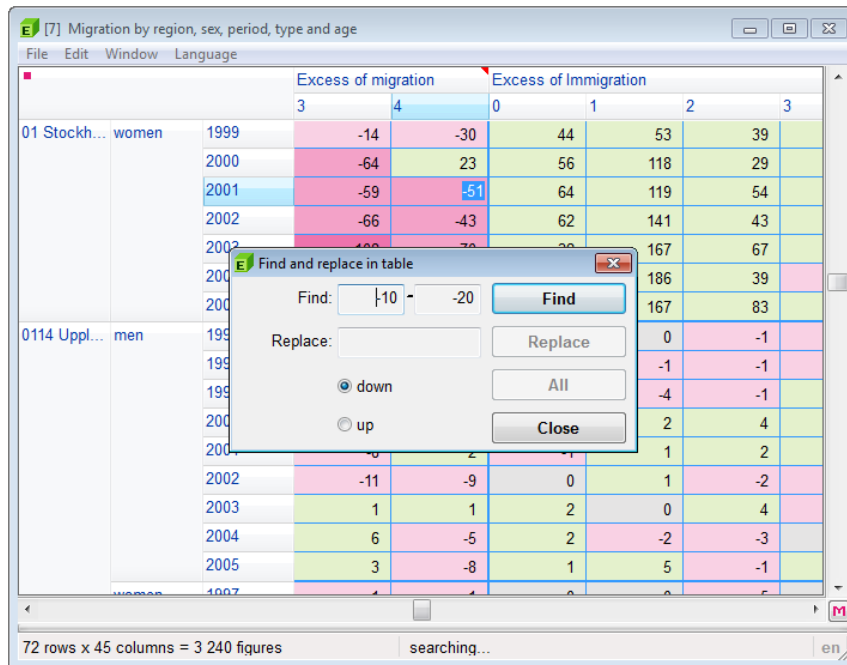


PX-Edit 3.2

Table editing

Table window

Table window: find and replace



- You can search for an individual value or desired data range
 - dot codes are possible, too
 - in addition to the down and up selections, there are shortcuts:
 - F3** searches forward,
 - F2** backward, and
 - Ctrl+F3** gives the number of all hits
- Replace will be active when there is anything in the replace field
 - replacing may be done cell by cell or in one go with **All** button

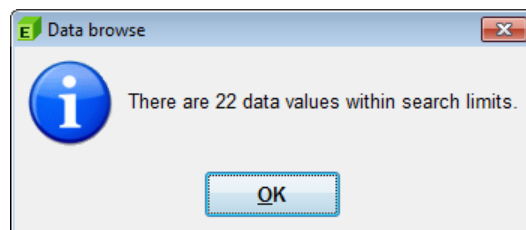
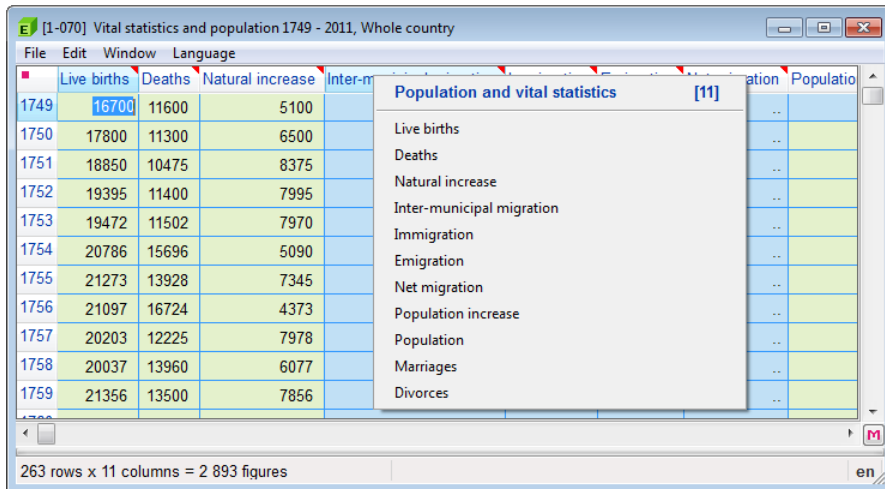


Table window: navigation



[1-070] Vital statistics and population 1749 - 2011, Whole country

	Live births	Deaths	Natural increase	Inter-municipal migration	Immigration	Emigration	Net migration	Population increase	Population	Marriages	Divorces
1749	16700	11600	5100	..	..	..	..	..	..	..	..
1750	17800	11300	6500	..	..	..	..	..	..	..	..
1751	18850	10475	8375	..	..	..	..	..	..	..	..
1752	19395	11400	7995	..	..	..	..	..	..	..	..
1753	19472	11502	7970	..	..	..	..	..	..	..	..
1754	20786	15696	5090	..	..	..	..	..	..	..	..
1755	21273	13928	7345	..	..	..	..	..	..	..	..
1756	21097	16724	4373	..	..	..	..	..	..	..	..
1757	20203	12225	7978	..	..	..	..	..	..	..	..
1758	20037	13960	6077	..	..	..	..	..	..	..	..
1759	21356	13500	7856	..	..	..	..	..	..	..	..

263 rows x 11 columns = 2 893 figures

en

- Right-clicking the header cell opens a shortcut menu
 - the header shows the corresponding variable name and number of values
 - the selection menu gives every value text for the variable
 - selecting the value will move the table view to this value
 - long lists will be divided to sub-menus

Metadata editor: Keywords

Keywords Tab

Variable: region en

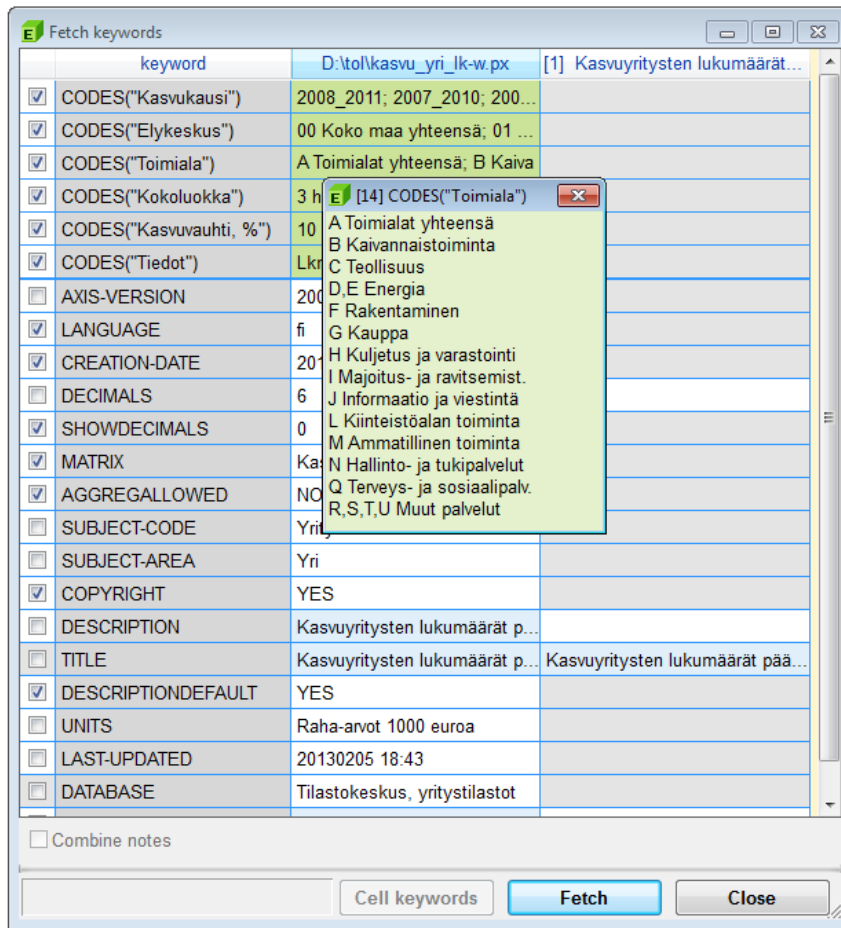
Keywords Meta part View Select Sort Edit Add Anonymize

keyword	value
CHARSET	ANSI
AXIS-VERSION	2006
CODEPAGE	iso-8859-15
LANGUAGE	en
LANGUAGES	
CREATION-DATE	20060725 16:40
DECIMALS	0
SHOWDECIMALS	0
MATRIX	BE0101A1
SUBJECT-CODE	BE
SUBJECT-AREA	Population
COPYRIGHT	
DESCRIPTION	
TITLE	Population by region, marital status, age, p...
CONTENTS	Population

☒ Hide Set.. Defaults Import.. Close

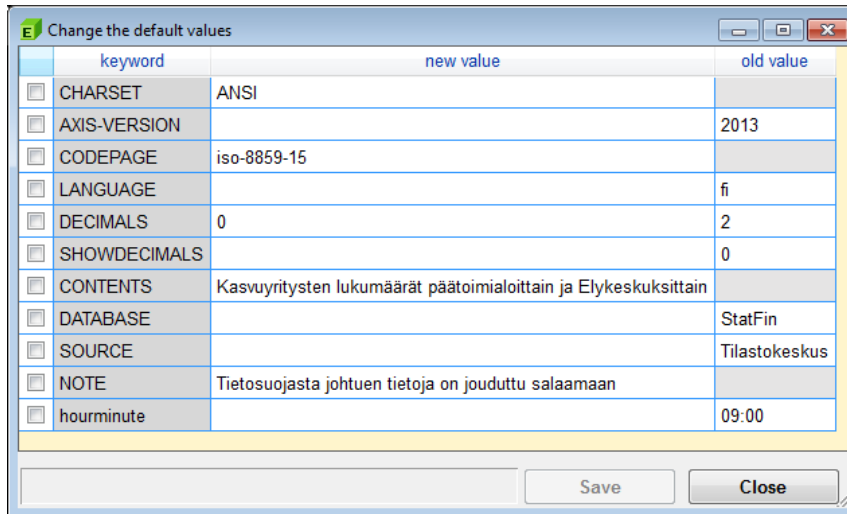
- Keywords are grouped in four sheets
- Field colours denote different actions
 - one-line input (with maximum length)
 - multi-line input
 - selection lists
 - numeric
 - time and date
 - unknown
 - special fields (e.g. *LANGUAGES*, *TIMEVAL*)
- *Hide* selection conceals all non-mandatory and empty keywords
 - the user level also affects the list

Keywords: import



- **Import** button makes it easy to get keyword values from other PC-Axis files
 - the *Edit/Import keywords*, *Edit/Import from* (already opened tables) selections and **Ctrl+I** shortcut also work
- Viable keywords are **pre-selected**
- Value lists may be compared by clicking the green fields
- Other field contents may be inspected by clicking the field

Keywords: set

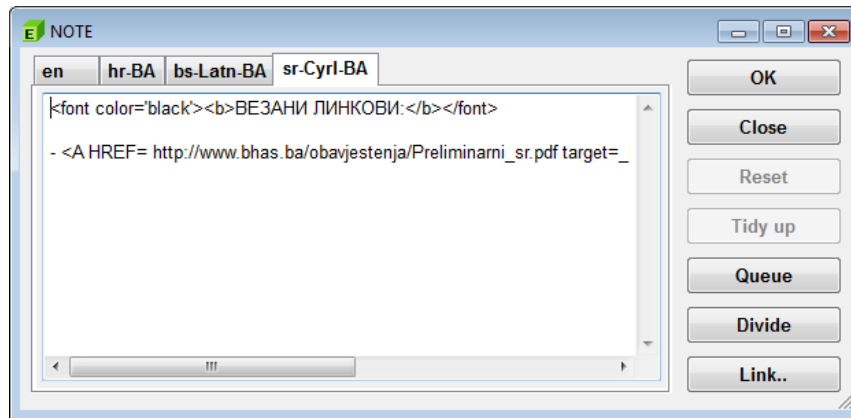


<input type="checkbox"/>	keyword	new value	old value
<input type="checkbox"/>	CHARSET	ANSI	
<input type="checkbox"/>	AXIS-VERSION		2013
<input type="checkbox"/>	CODEPAGE	iso-8859-15	
<input type="checkbox"/>	LANGUAGE		fi
<input type="checkbox"/>	DECIMALS	0	2
<input type="checkbox"/>	SHOWDECIMALS		0
<input type="checkbox"/>	CONTENTS	Kasvuyritysten lukumäärät päätoimialoittain ja Elykeskuksittain	
<input type="checkbox"/>	DATABASE		StatFin
<input type="checkbox"/>	SOURCE		Tilastokeskus
<input type="checkbox"/>	NOTE	Tietosuojasta johtuen tietoja on jouduttu salaamaan	
<input type="checkbox"/>	hourminute		09:00

Save Close

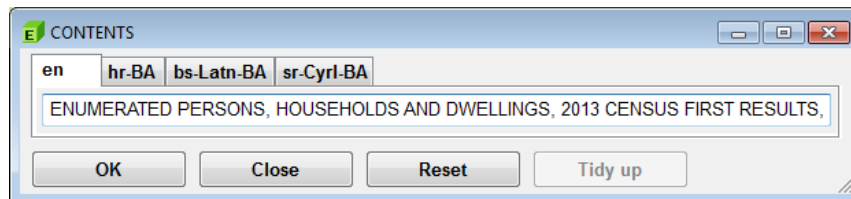
- **Set** button opens the default value control window
- Default values in use are in the rightmost column and the values from the active table are to the left
- Personal default values may be changed by marking the corresponding check boxes and pressing the **Save** button

Keywords: text input



— Multiline input

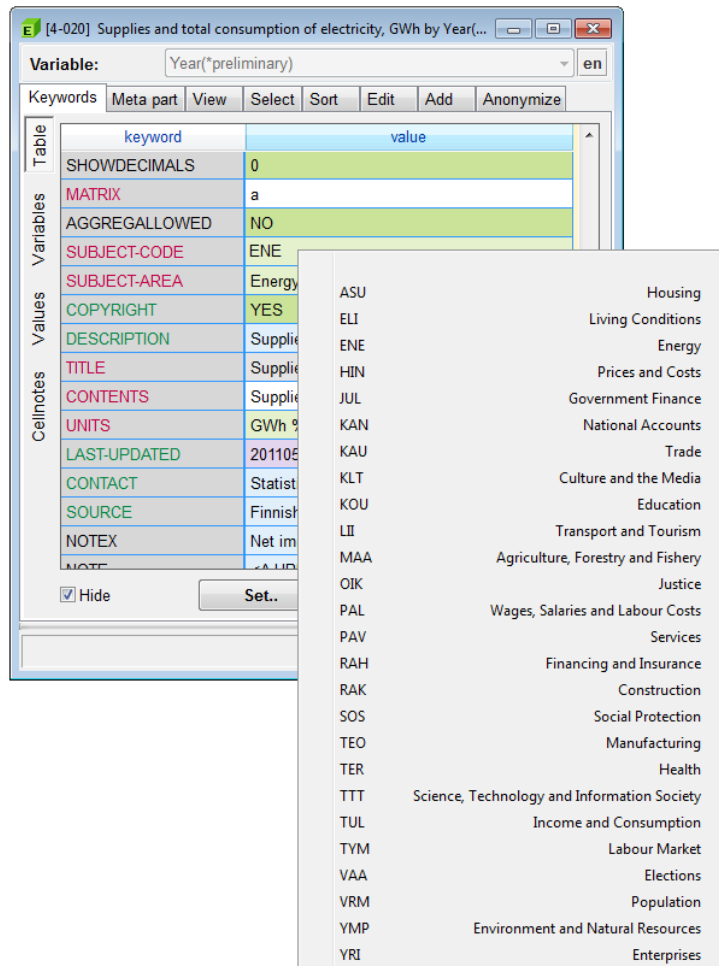
- resizable input window
- separate sheets are available for different languages
- clipboard support
- line lengths may be adjusted according to the input field width (**Divide**)
- all lines may be joined as one (**Queue**)
- www links may be edited with a separate window (**Link**)



— Single line input

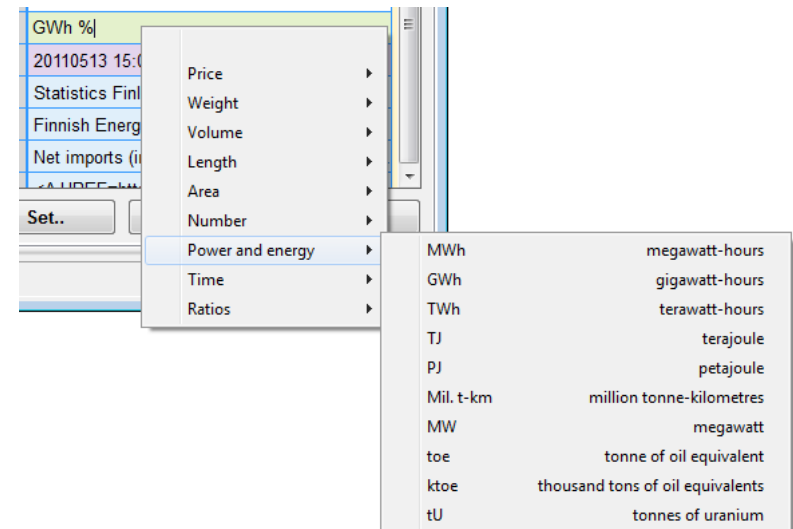
- double-clicking the field gives a similar resizable input window

Keywords: menus

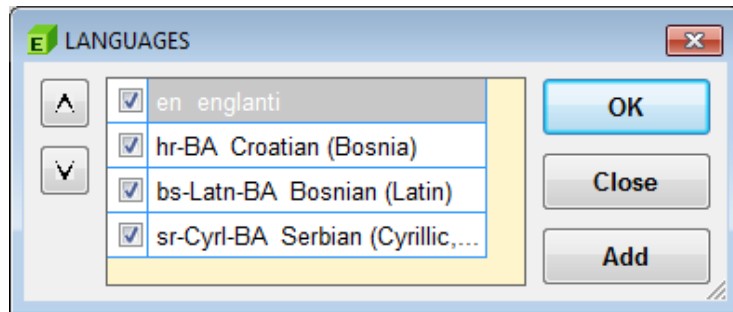


— Popup menus

- a few alternatives
- may contain sub-menus
- large lists will be split to sub-menus

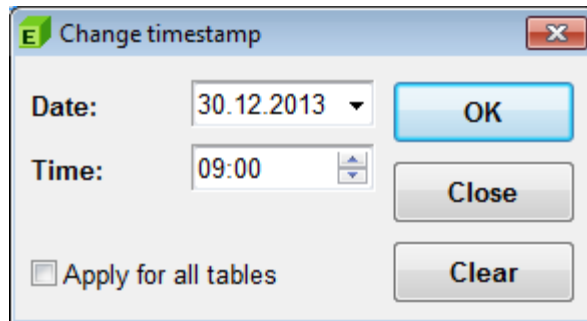


Keywords: *LANGUAGES*



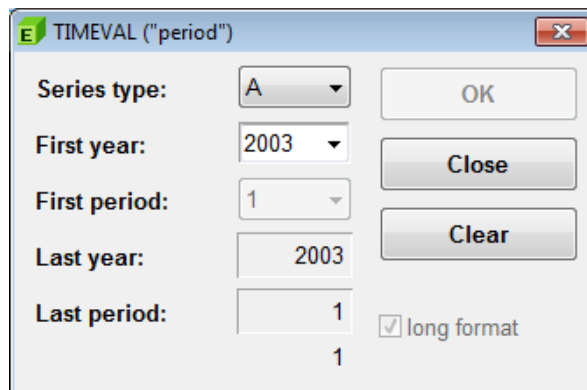
- Multilingual table languages may be added and handled via the *LANGUAGES* keyword field
 - the first language is the **main** language
 - the selected languages will be the selection for the *LANGUAGE* field

Keywords: other special input windows



The 'Change timestamp' dialog box has a title bar with a green 'E' icon and a close button. It contains two input fields: 'Date:' with a dropdown menu showing '30.12.2013' and 'Time:' with a spinner box showing '09:00'. To the right of these fields are three buttons: 'OK' (blue), 'Close' (grey), and 'Clear' (grey). At the bottom left, there is a checkbox labeled 'Apply for all tables'.

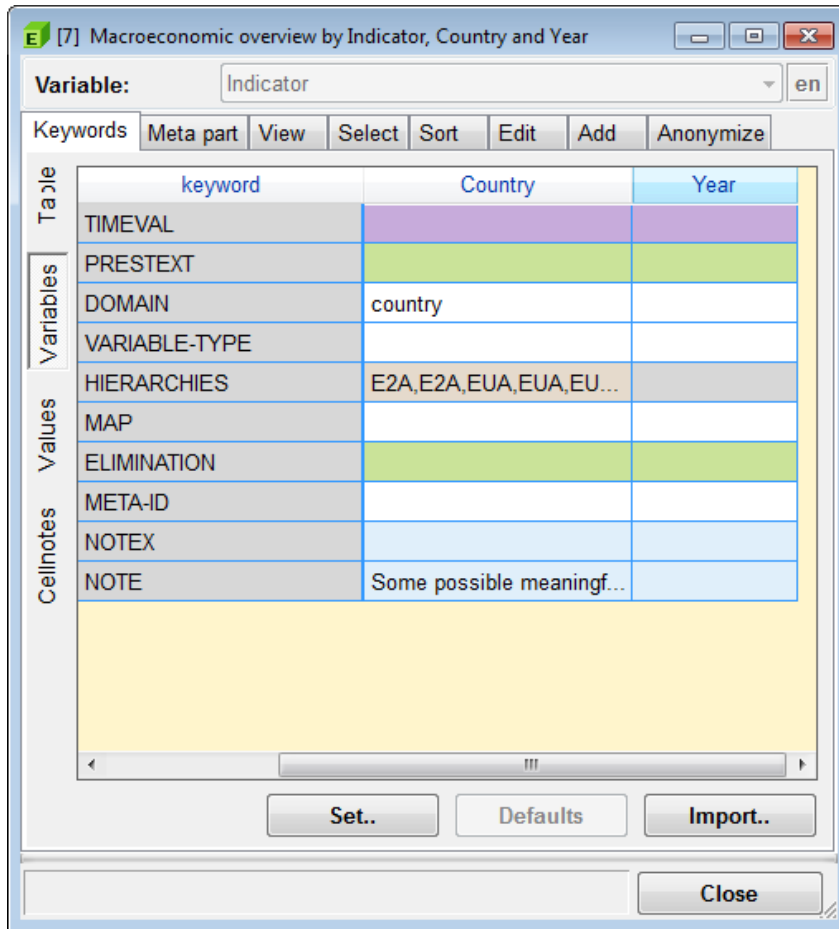
- Date and time input
 - date may be chosen from a calendar
 - a special input field for time stamps



The 'TIMEVAL ("period")' dialog box has a title bar with a green 'E' icon and a close button. It contains five input fields: 'Series type:' with a dropdown menu showing 'A', 'First year:' with a dropdown menu showing '2003', 'First period:' with a dropdown menu showing '1', 'Last year:' with a text box showing '2003', and 'Last period:' with a text box showing '1'. To the right of these fields are three buttons: 'OK' (blue), 'Close' (grey), and 'Clear' (grey). At the bottom right, there is a checkbox labeled 'long format' which is checked.

- *TIMEVAL* input via a special window
 - five different time series types
 - two keyword formats

Keywords: variable-specific keywords



[7] Macroeconomic overview by Indicator, Country and Year

Variable: Indicator en

Keywords Meta part View Select Sort Edit Add Anonymize

keyword	Country	Year
TIMEVAL		
PRETEXT		
DOMAIN	country	
VARIABLE-TYPE		
HIERARCHIES	E2A,E2A,EUA,EUA,EU...	
MAP		
ELIMINATION		
META-ID		
NOTEX		
NOTE	Some possible meaningf...	

Set.. Defaults Import..

Close

- Keyword fields are presented as a table
- Each table variable is in a different column
- Some keywords may exist only in one variable (e.g. *MAP*)
- Clicking the *HIERARCHIES* field will open a separate window

Hierarchies

The screenshot shows the 'Hierarchy Editor' window with the title 'HIERARCHY("Country")'. The main area displays a hierarchical tree structure. The tree is expanded to show the 'EUA' (European Union-15) and 'EAA' (Euro area-12) categories. The 'EUA' category includes '208' (Denmark), '752' (Sweden), and '826' (United Kingdom). The 'EAA' category includes '040' (Austria), '056' (Belgium), '246' (Finland), '250' (France), '276' (Germany), '300' (Greece), '372' (Ireland), '380' (Italy), '442' (Luxembourg), '528' (Netherlands), and '620' (Portugal). The 'HIERARCHYLEVELSOPEN' dropdown is set to 3. Buttons for 'Clear', 'OK', and 'Close' are at the bottom.

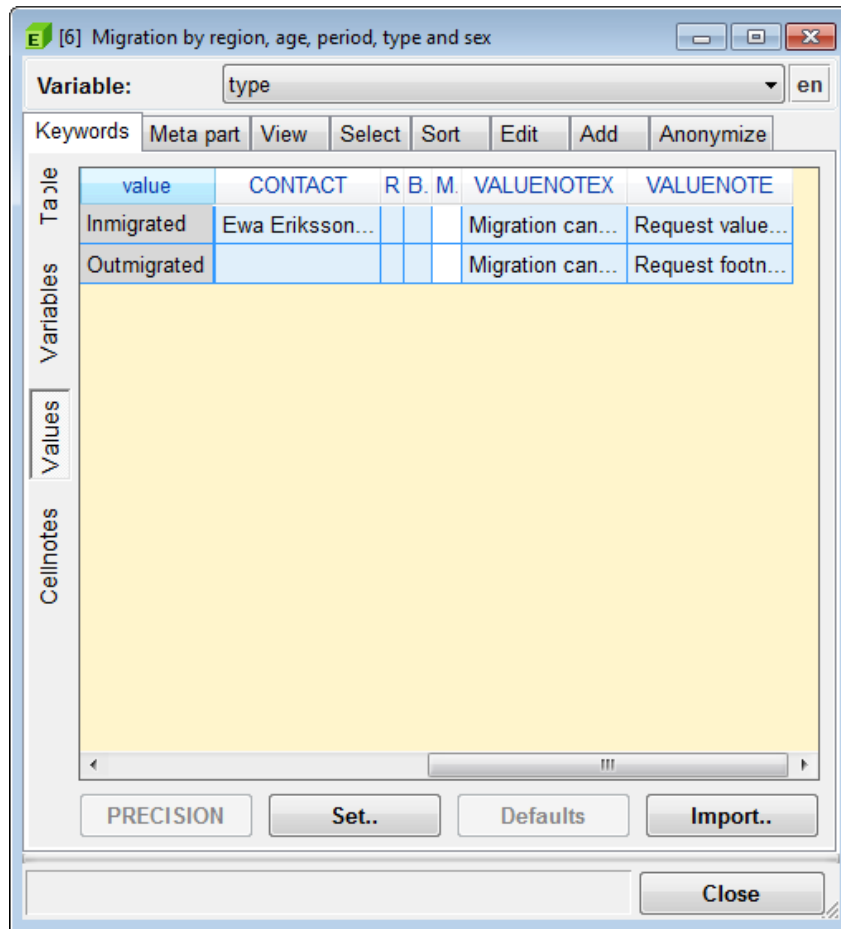
	parent	HIERARCHYNAMES
[-] E2A	E2A	European Union-25
[-] [-] EUA	E2A	European Union-15
..... 208	EUA	Denmark
..... 752	EUA	Sweden
..... 826	EUA	United Kingdom
[-] [-] EAA	EUA	Euro area-12
..... 040	EAA	Austria
..... 056	EAA	Belgium
..... 246	EAA	Finland
..... 250	EAA	France
..... 276	EAA	Germany
..... 300	EAA	Greece
..... 372	EAA	Ireland
..... 380	EAA	Italy
..... 442	EAA	Luxembourg
..... 528	EAA	Netherlands
..... 620	EAA	Portugal

HIERARCHYLEVELSOPEN 3

Clear OK Close

- The *Hierarchies* window is mainly meant for showing the existing value hierarchy, but it has (limited) functionality to change the existing one
 - ordering and selections are reflected to the hierarchy keywords
 - hierarchies may be changed via parent menus

Keywords: value-specific keywords



- The variable selection drop-down list is used in every sub-window
- If *CONTVARIABLE* is in use, this sheet will show extra keyword columns for the corresponding variable
 - they disappear from the table-specific keyword window (except *UNITS*)
- Set *PRECISIONs* automatically
 - the biggest number of decimals is used for the new value *PRECISION* (if not greater than *DECIMALS*)

Keywords: cell-specific keywords

Variable: Тип поселення uk

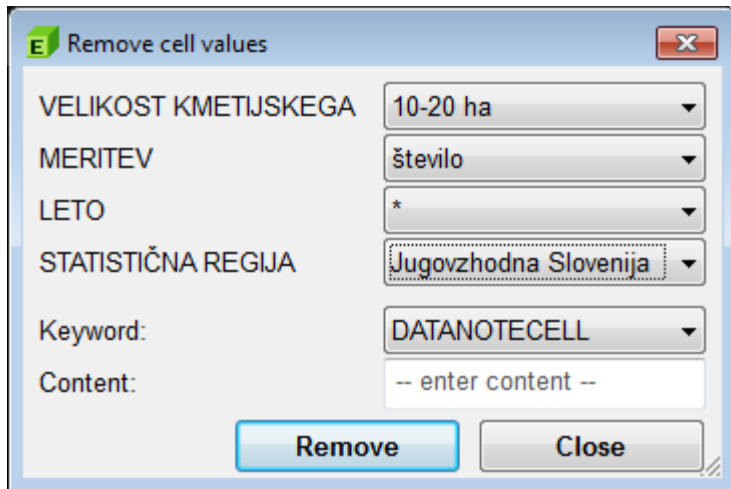
Keywords Meta part View Select Sort Edit Add Anonymize

Рік	Зміст	Тип пос...	C...	CELLNOTE
1989	*	*		Інформація подається за даними перепису .
2002	*	*		Інформація подається за даними перепису .

2 Remove.. Close

- The *Cellnotes* sheet is used for cell-specific keyword input
- The values for each variable are selected from the value lists (* denotes all values)
- An extra row is added when necessary
- If there are plenty of cell specific keywords, the **Remove** button will activate

Deleting cell-specific keywords



Remove cell values

VELIKOST KMETIJSKEGA 10-20 ha

MERITEV število

LETO *

STATISTIČNA REGIJA Jugovzhodna Slovenija

Keyword: DATANOTECELL

Content: -- enter content --

Remove Close

- The *Remove* window makes it possible to remove groups of cell specific keywords permanently
- Keyword removing **cannot** be undone

Metadata editor: Meta part

Meta part Tab

Variable: Država/Entiteti/Distrikt bs-Latn-BA

Keywords Meta part View Select Sort Edit Add Anonymize

SHOWDECIMALS=0;

MATRIX="Pop2013_PREL_001";

SUBJECT-CODE="Pop2013";

SUBJECT-AREA="Pop";

SUBJECT-AREA[hr-BA]="Pop";

SUBJECT-AREA[bs-Latn-BA]="Pop";

SUBJECT-AREA[sr-Cyrl-BA]="Pop";

COPYRIGHT=YES;

DESCRIPTION="ENUMERATED PERSONS, HOUSEHOLDS AND DWELLINGS, 2013";

DESCRIPTION[hr-BA]="POPIŠANE OSOBE, KUĆANSTVA I STAMBENE JEDINICE, 2013";

DESCRIPTION[bs-Latn-BA]="POPIŠANE OSOBE, DOMAĆINSTVA I STAMBENE JEDINICE, 2013";

DESCRIPTION[sr-Cyrl-BA]="ПИСАНА ОСОБЕ, ДОМАЋИНСТВА И СТАМБЕНЕ ЈЕДИНИЦЕ, 2013";

TITLE="ENUMERATED PERSONS, HOUSEHOLDS AND DWELLINGS, 2013";

TITLE[hr-BA]="POPIŠANE OSOBE, KUĆANSTVA I STAMBENE JEDINICE, 2013";

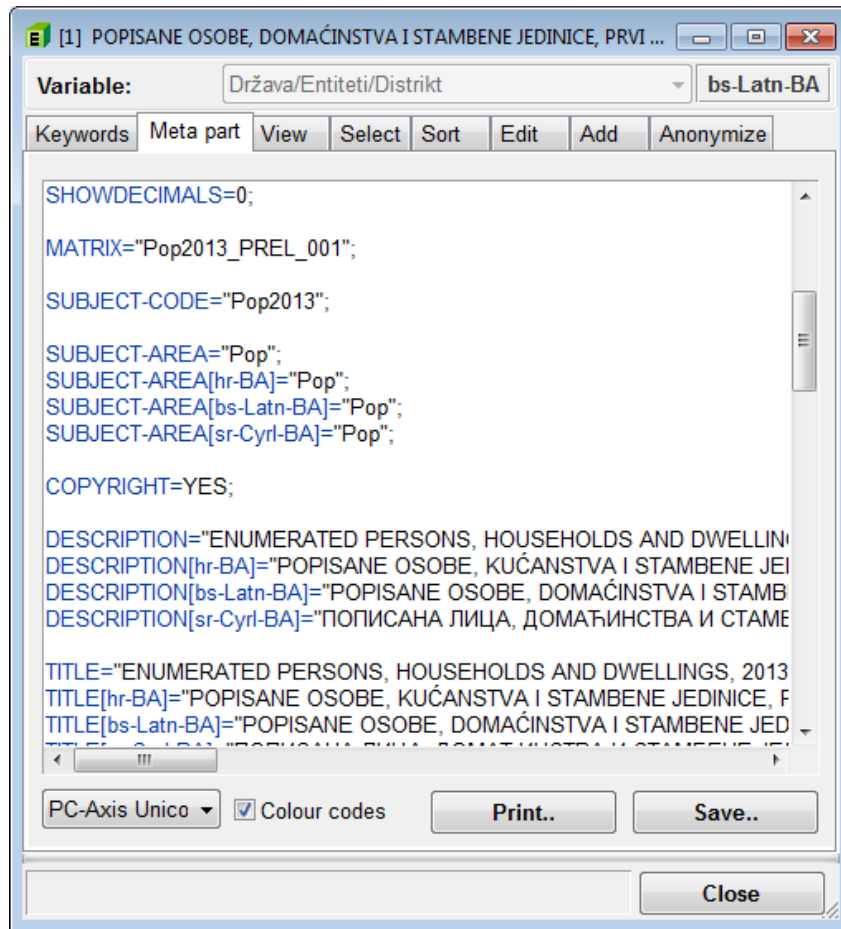
TITLE[bs-Latn-BA]="POPIŠANE OSOBE, DOMAĆINSTVA I STAMBENE JEDINICE, 2013";

TITLE[sr-Cyrl-BA]="ПИСАНА ОСОБЕ, ДОМАЋИНСТВА И СТАМБЕНЕ ЈЕДИНИЦЕ, 2013";

PC-Axis forma ☒ Colour codes Print.. Save.. Close

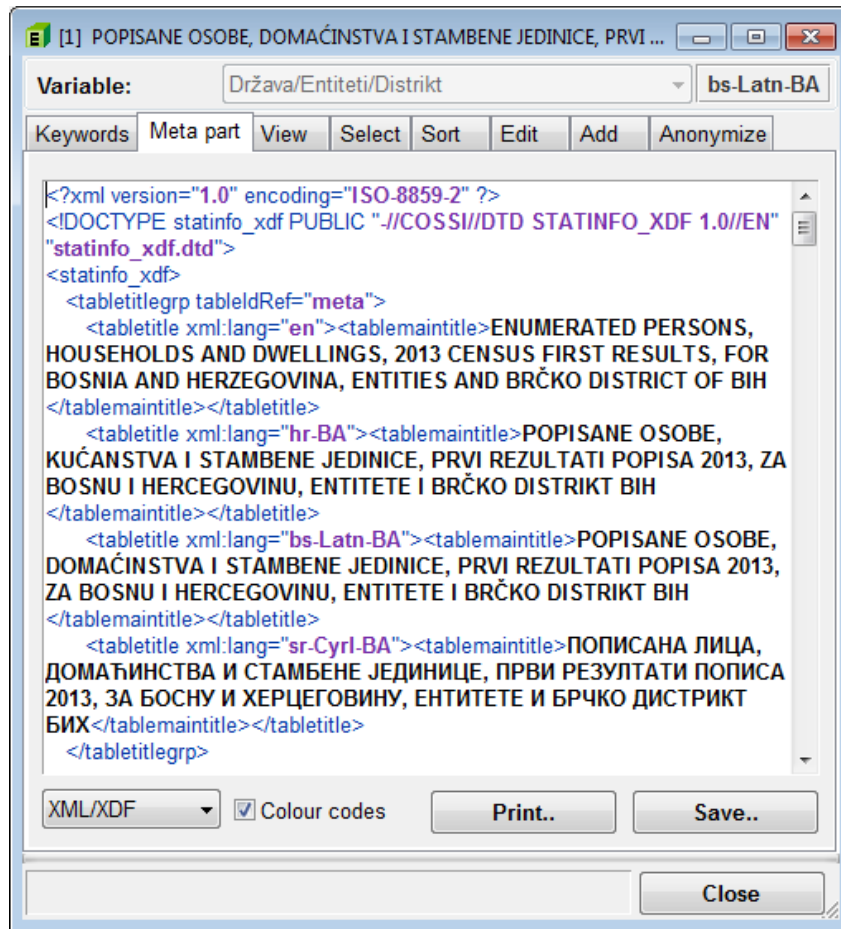
- The file structure will be shown as it would be saved in the file
 - the standard keyword order
 - no data part
 - empty lines between keywords
 - *KEYS* values are not necessarily the same as they would be when saved
- Clipboard and printing is supported
- May be saved as a metadata file (.pxk)

Meta part: PC-Axis Unicode



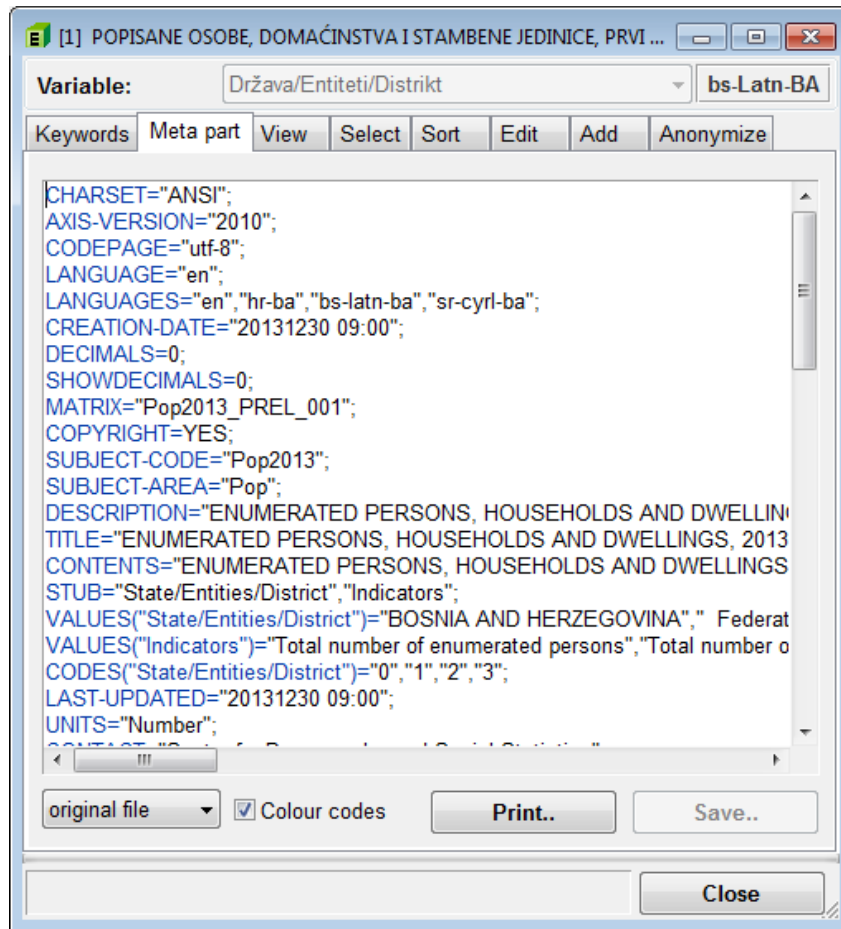
- The file structure shown in Unicode

Meta part: XML



- The XML selections show the meta part in the different *CoSSI/XML* formats
 - no data part
 - tagged sections are indented
 - syntax highlighting with colour coding
 - creating the XML format may be time consuming with big tables (especially with the *CalS* format)
- May be saved as a text file (.txt)

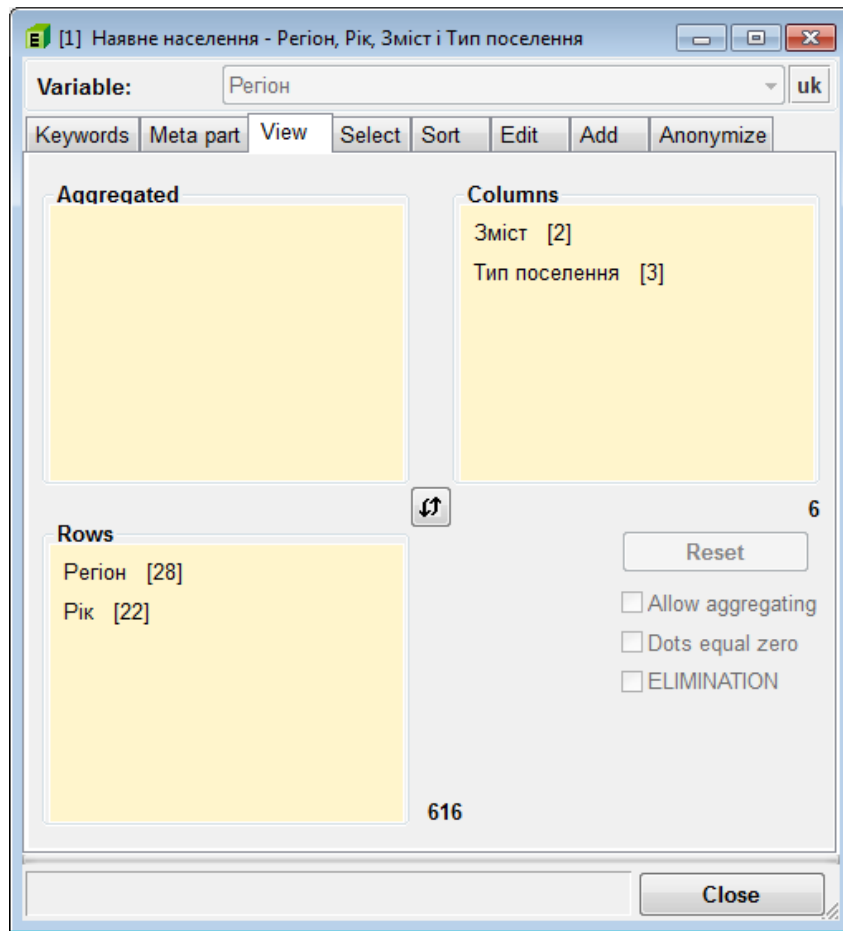
Meta part: the original file



- The meta part in the file selection shows the meta part as it is in the original file
 - no extra formatting
 - valid only when the file exists

Metadata editor: View

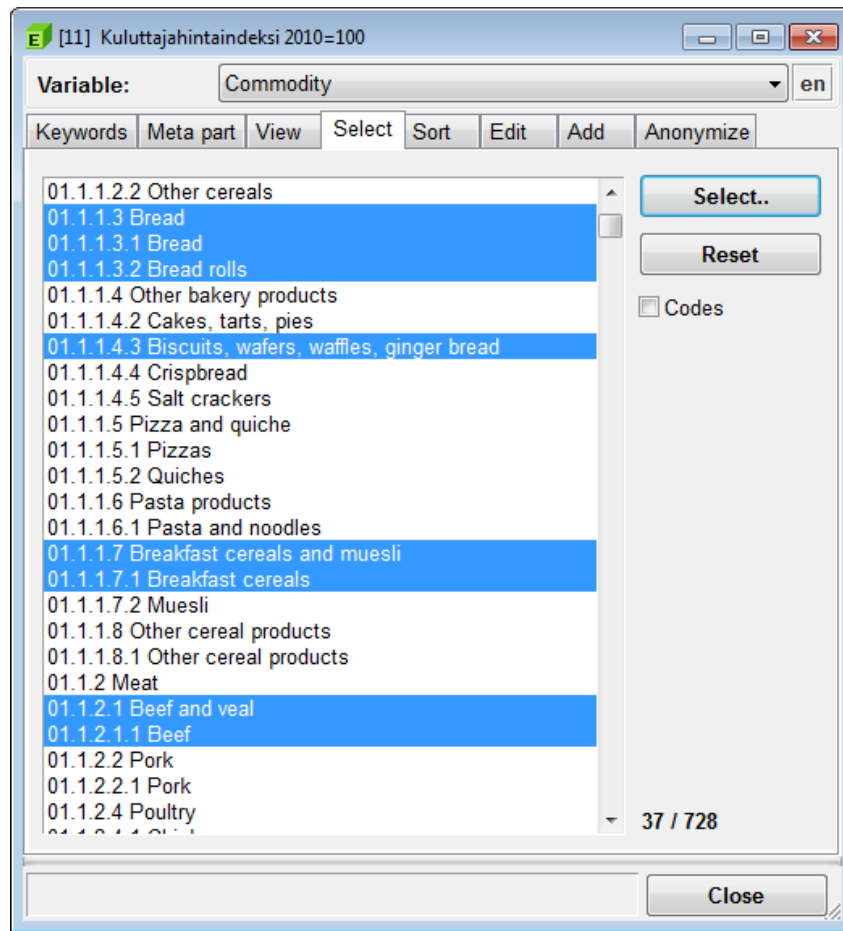
View Tab



- Rearrange variables freely
- Aggregation (sum over)
- Special cases
 - dot codes calculation rule
 - *ELIMINATION* settings
- Aggregation prevents some actions (e.g. cell editing)
 - *Edit/Clone View* may help if necessary

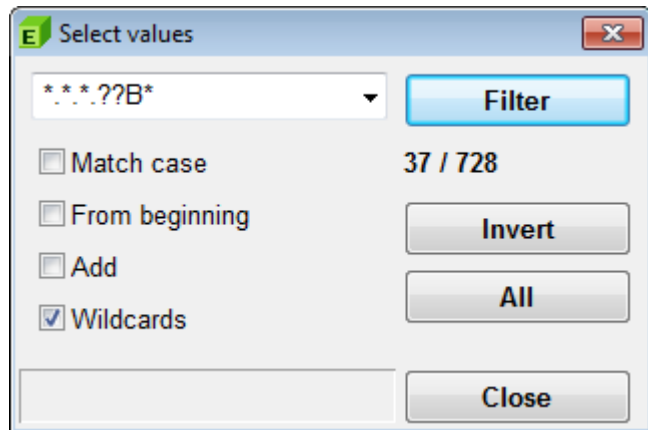
Metadata editor: Select

Select Tab



- Freely select values of any variable ("slicing the cube")
 - the selections affect e.g. data masking
- The **Select** button opens a specific list filter window
- Pressing any character will select all the lines which start with the same character (case sensitive)
 - selections are cumulative
 - **Alt+character** is non-inclusive
 - **Ctrl+A** selects all values
 - **Ctrl+I** inverts the selections

Filtering window



- Long lists are difficult to handle with mouse operations
- The *Filter* window makes it possible to select items from the list based on
 - text string in the text
 - text string starting the text
 - text string with wildcards (* and ?)
 - cumulative selections
 - inverse selections

Metadata editor: Sort

Sort Tab

Variable: Region en

Keywords Meta part View Select Sort Edit Add Anonymize

Source

- Autonomous Republic of Crimea
- Cherkasy region
- Chernihiv region
- Chernivtsi region
- Dnipropetrovsk region
- Donetsk region
- Ivano-Frankivsk region
- Kharkiv region
- Kherson region
- Khmelnitskyi region
- Kirovohrad region
- Kyiv city

New order

- Ukraine

OK

Select..

Reset

☐ Codes

☐ Numeric sort

☒ Data sort

> >> 27 / 27 / 28 < << 1 / 1 / 28

variable	value
Region	
Year	1989
Contents	Population - total, thsd. persons
Settlement type	Urban settlements and rural area

Close

- Freely rearrange values of any variable
 - alphabetical sorting
 - numeric codes sorted by value
 - only the selected lines are sorted
 - the whole list may be selected by clicking its header
 - manually move selected lines
- The **Select** button opens the *Filter* window
- Remember the **OK** button!

Sort: data sort

Variable: Year(*preliminary) en

Keywords Meta part View Select Sort Edit Add Anonymize

Source	New order
5868 1990	
5820 1991	
5765 1992	
5980 1993	
6446 1994	
6574 1995	
6629 1996	
7377 1997	
6918 1998	
7148 1999	
7283 2000	
7340 2001	
7488 2002	

0 / 22 / 22 0 / 0 / 22

variable	value
Year(*preliminary)	
Season	January
Production/Supply	GROSS PRODUCTION
Tiedot	Quantity, GWh

- Quantity, GWh
- Quartal/monthly change %
- Yearly change %
- Share of generation%
- Share of total consumption %

— Sort by data

- select the fixed values from other variables
- the numeric values will be put in front of the value texts (or codes)
- the selected lines may be sorted according to these numeric values
- dot codes equal zero

Metadata editor: Edit

Edit Tab

Variable: Commodity

Keywords Meta part View Select Sort Edit Add Anonymize

Variable: Commodity

text [728]	code [728]
01.1.1.3 Bread	01.1.1.3
01.1.1.3.1 Bread	01.1.1.3.1
01.1.1.3.2 Bread rolls	01.1.1.3.2
01.1.1.4 Other bakery pro...	01.1.1.4
01.1.1.4.2 Cakes, tarts, pi...	01.1.1.4.2
01.1.1.4.3 Biscuits, wafer...	01.1.1.4.3
01.1.1.4.4 Crispbread	01.1.1.4.4
01.1.1.4.5 Salt crackers	01.1.1.4.5
01.1.1.5 Pizza and quiche	01.1.1.5
01.1.1.5.1 Pizzas	01.1.1.5.1
01.1.1.5.2 Quiches	01.1.1.5.2
01.1.1.6 Pasta products	01.1.1.6
01.1.1.6.1 Pasta and noo...	01.1.1.6.1
01.1.1.7 Breakfast cereals...	01.1.1.7
01.1.1.7.1 Breakfast cereals	01.1.1.7.1

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Close

- Rename and/or select variables
- Values and codes are shown in the list
 - the whole list may be selected by clicking its header
 - the header shows the number of unique lines
 - unselected values are greyed out
 - duplicated texts or codes are shown with a yellow background
 - it is possible to view only selected or repeated lines
- Remember the **OK** button!

Edit: value list

Variable: Commodity

Keywords Meta part View Select Sort Edit Add Anonymize

Variable: Commodity

	text [728]	code [728]
14	01.1.1.3 Bread	01.1.1.3
16	01.1.1.3.1 Bread	01.1.1.3.1
22	01.1.1.3.2 Bread rolls	01.1.1.3.2
30	01.1.1.4 Other bakery p...	01.1.1.4
29	01.1.1.4.2 Cakes, tarts,...	01.1.1.4.2
50	01.1.1.4.3 Biscuits, waf...	01.1.1.4.3
21	01.1.1.4.4 Crispbread	01.1.1.4.4
24	01.1.1.4.5 Salt crackers	01.1.1.4.5
25	01.1.1.5 Pizza and quic...	01.1.1.5
17	01.1.1.5.1 Pizzas	01.1.1.5.1
18	01.1.1.5.2 Quiches	01.1.1.5.2
23	01.1.1.6 Pasta products	01.1.1.6
28	01.1.1.6.1 Pasta and n...	01.1.1.6.1
37	01.1.1.7 Breakfast cere...	01.1.1.7
28	01.1.1.7.1 Breakfast ce	01.1.1.7.1

1 / 728

OK Select.. Reset

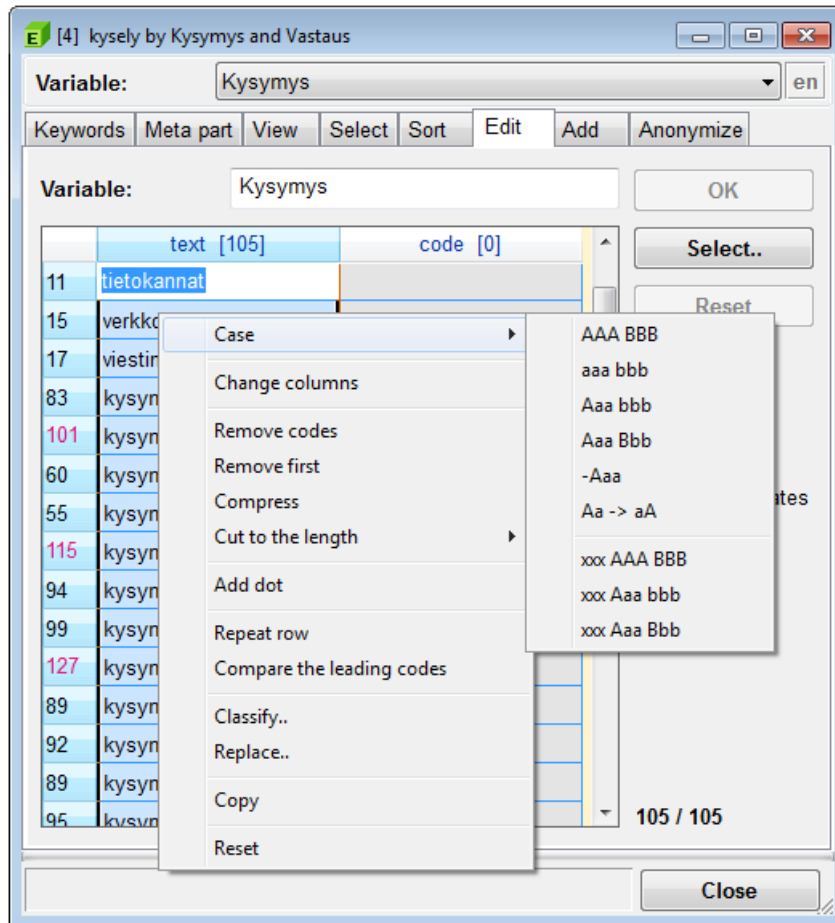
☒ all ☐ selected ☐ repeated

☐ Allow duplicates

Close

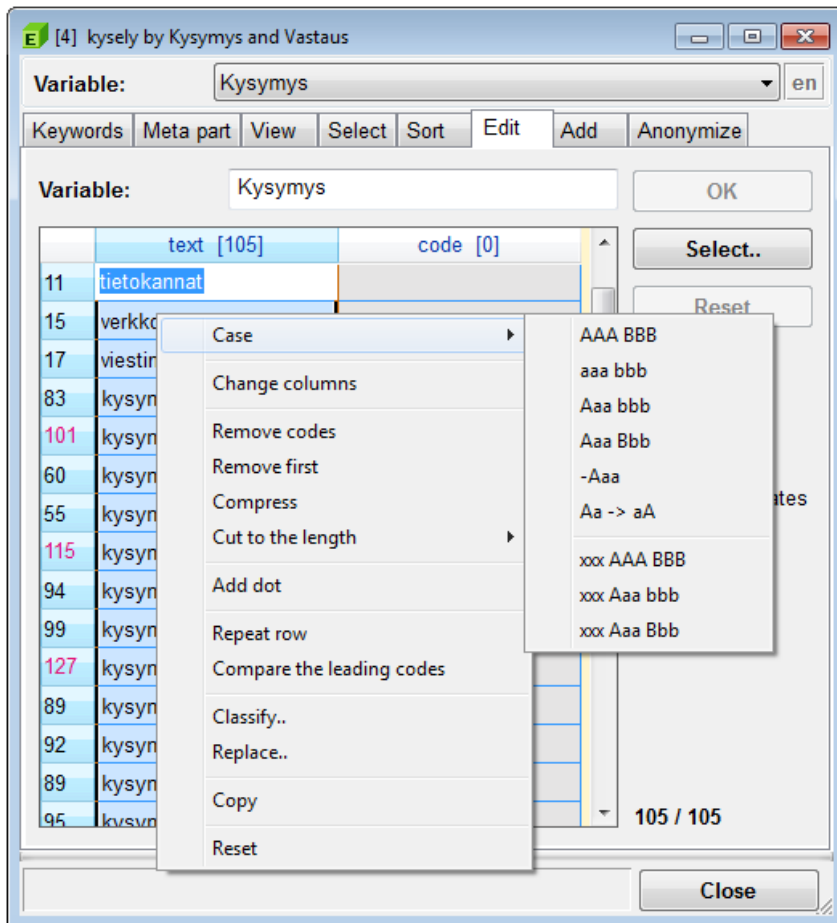
- Text lengths can be made visible by dragging the upper left area of the header
 - comes forth automatically if any length exceeds the pre-set limit
- The value or code menu opens by right-clicking
 - will show only **applicable** menu items

Edit: values menu /1



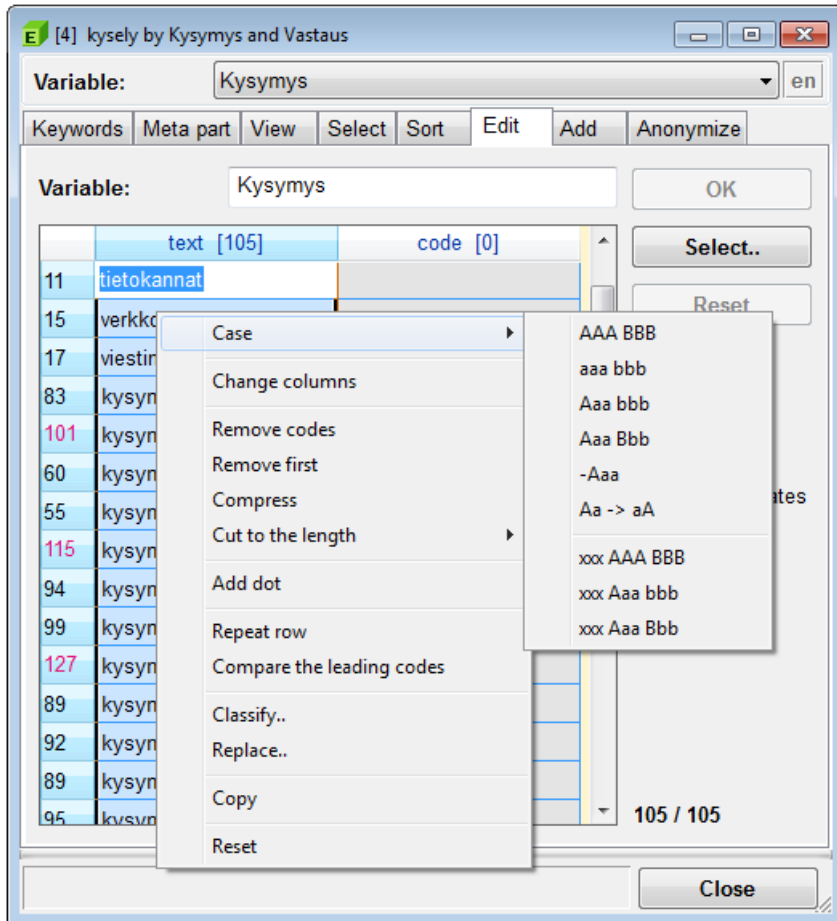
- Case sub-menu
 - character case changes
- Combine with codes
 - put codes in front of the texts separated with space
- Replace with codes
 - replace texts with corresponding codes
- Change columns
 - change texts to codes and vice versa
- Remove codes
 - remove the leading codes
- Remove first
 - remove the first character

Values: case menu /1



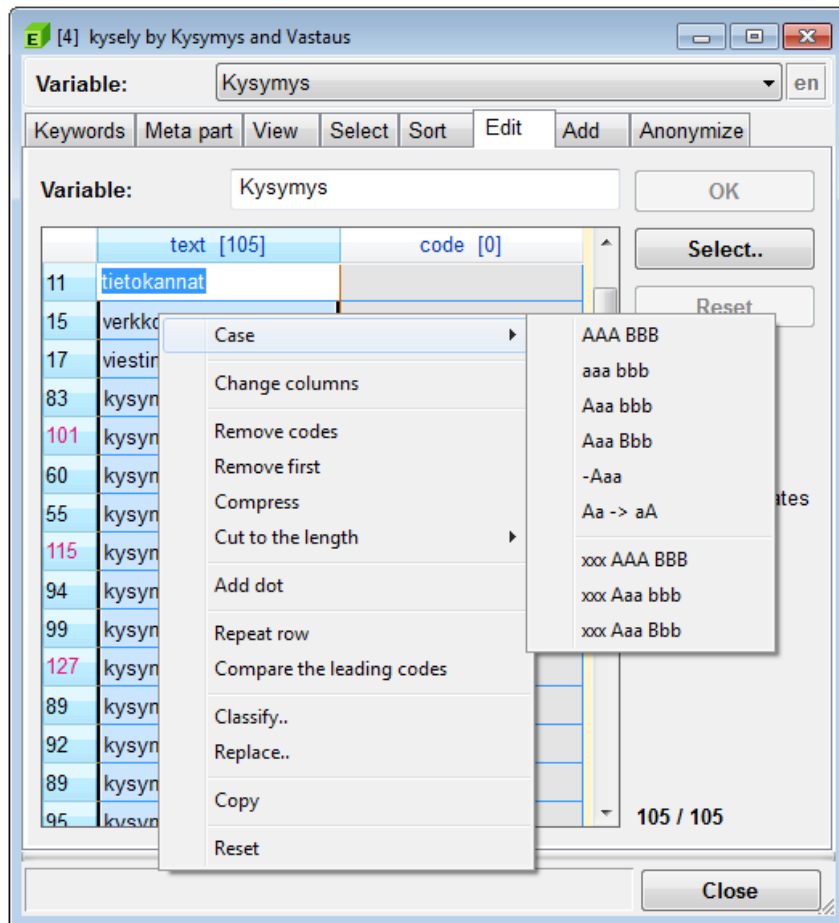
- AAA BBB
 - all uppercase
- aaa bbb
 - all lowercase
- Aaa bbb
 - capitalize (the first character in uppercase)
- Aaa Bbb
 - title-case (all the first characters in uppercase)
- Aaa – Bbb
 - all characters in lowercase except the first and the first letter of the first word after a dash

Values: case menu /2



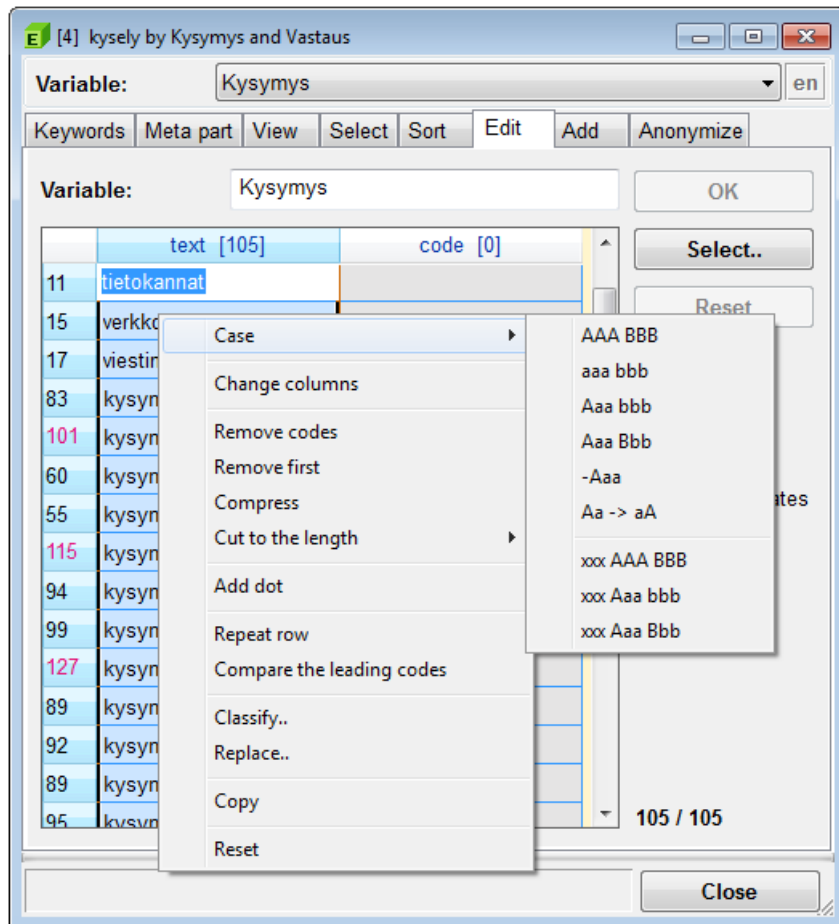
- -Aaa
 - the first character adjoined to dash in uppercase
- Aa -> aA
 - invert cases
- xxx AAA BBB
 - like *AAA BBB* but the leading code stays intact
- xxx Aaa bbb
 - like *Aaa bbb* but the leading code stays intact
- xxx Aaa Bbb
 - like *Aaa Bbb* but the leading code stays intact

Edit: values menu /2



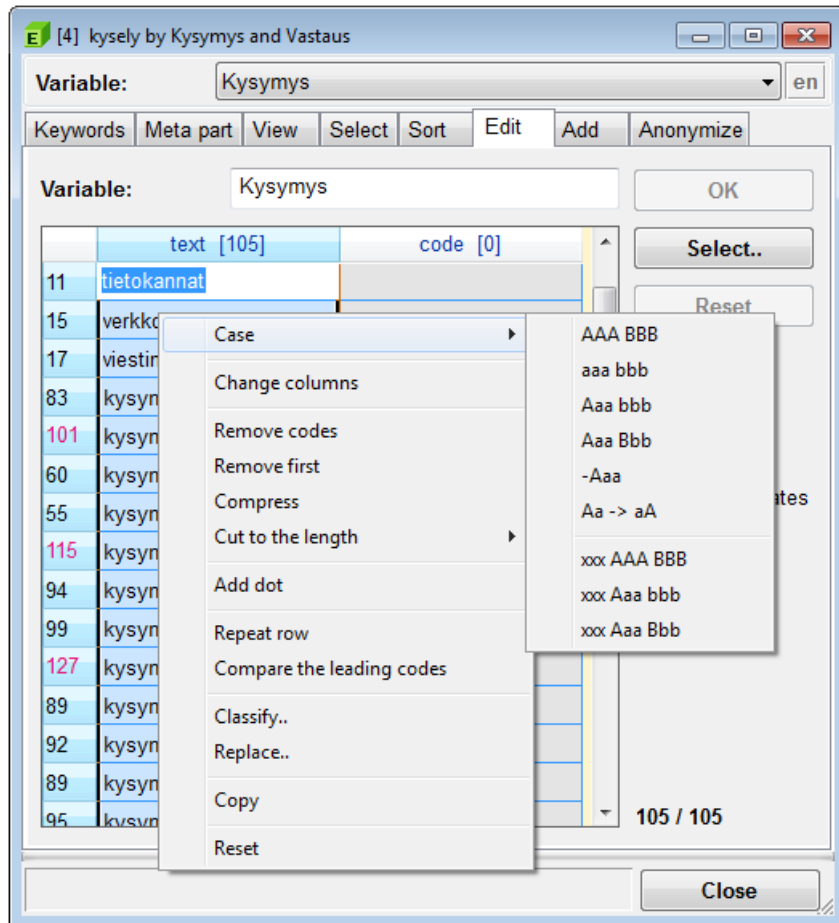
- Remove the leading blanks
 - drop the leading spaces
- Compress
 - compress successive blanks to one
- *Cut to the length* sub-menu
 - trim line length
- Add dot
 - add a dot in front of the selected lines
- Repeat row
 - replace the selected lines with the first selected line
- Compare the leading codes
 - bring the matching code to the first visible line

Edit: values menu /3



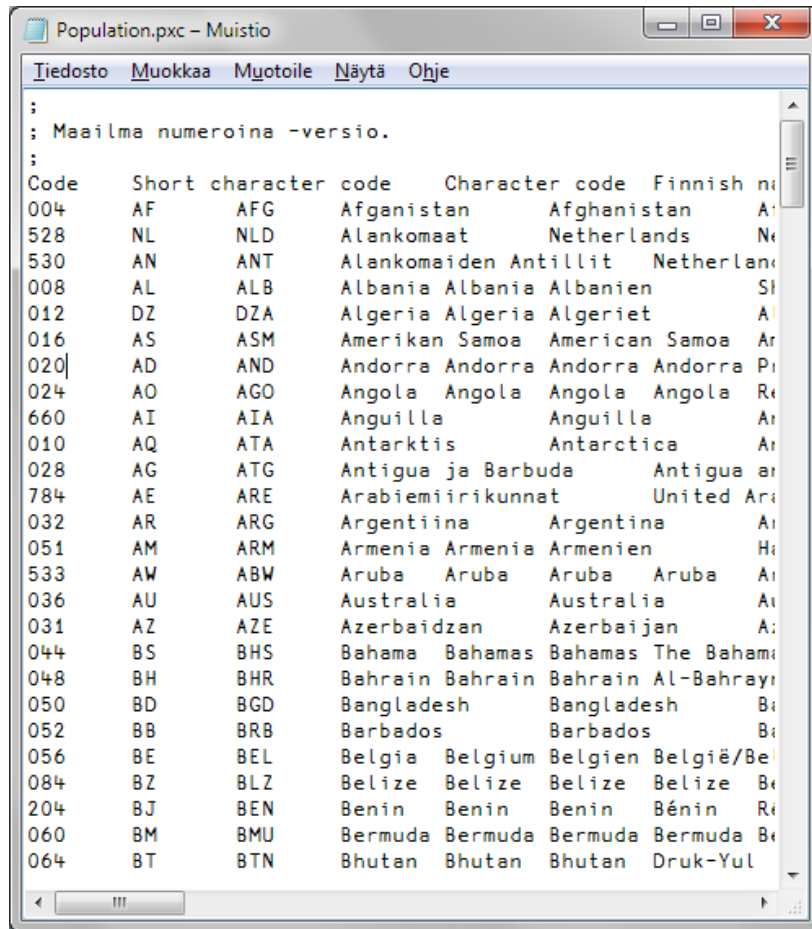
- Leading blanks to dots
 - change leading blanks to dots
- Leading dots to blanks
 - change leading dots to blanks
- Tabs to spaces
 - replace tab-characters to spaces
- Classify
 - standardise the value texts according to the codes
- Replace
 - change texts in all value texts

Edit: values menu /4



- Identity number
 - pick gender and age from the Finnish social security number
 - comes forth only when the values are valid IDs
- Copy
 - copy the selected lines to the clipboard
- Paste
 - paste the clipboard contents to the texts
- Reset
 - switch back to the **original** value texts

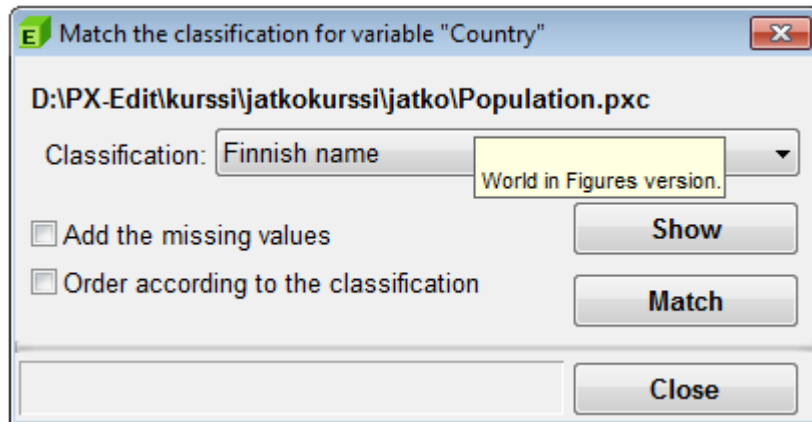
Classification file



Code	Short character code	Character code	Finnish name	Finnish name with hint bubbles
004	AF	AFG	Afganistan	Afghanistan
528	NL	NLD	Alankomaat	Netherlands
530	AN	ANT	Alankomaiden Antillit	Netherlands Antilles
008	AL	ALB	Albania	Albania
012	DZ	DZA	Algeria	Algeria
016	AS	ASM	Amerikan Samoa	American Samoa
020	AD	AND	Andorra	Andorra
024	AO	AGO	Angola	Angola
660	AI	AIA	Anguilla	Anguilla
010	AQ	ATA	Antarktis	Antarctica
028	AG	ATG	Antigua ja Barbuda	Antigua and Barbuda
784	AE	ARE	Arabiemiirikunnat	United Arab Emirates
032	AR	ARG	Argentiina	Argentina
051	AM	ARM	Armenia	Armenia
533	AW	ABW	Aruba	Aruba
036	AU	AUS	Australia	Australia
031	AZ	AZE	Azerbaidzan	Azerbaijan
044	BS	BHS	Bahama	Bahamas
048	BH	BHR	Bahrain	Bahrain
050	BD	BGD	Bangladesh	Bangladesh
052	BB	BRB	Barbados	Barbados
056	BE	BEL	Belgia	Belgium
084	BZ	BLZ	Belize	Belize
204	BJ	BEN	Benin	Benin
060	BM	BMU	Bermuda	Bermuda
064	BT	BTN	Bhutan	Bhutan

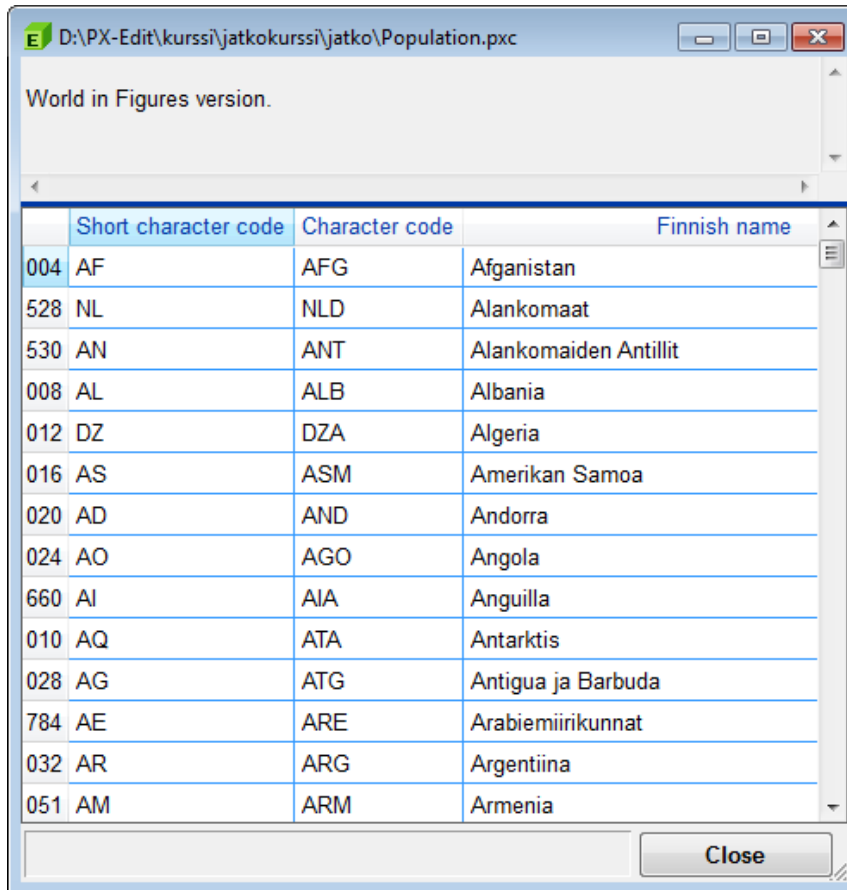
- File extension is pxc
- Every line is tab-delimited
- The first line contains column titles
- The first column contains the codes
- The next columns contain different classifications
- Comment lines start with a semicolon
 - shown in the classification window as hint bubbles

Classify window



- If the selection does not contain all the values, only the classification may be selected
 - the original classification file may be browsed by clicking the **Show** button
- If the whole variable is selected, it is possible to add all the classification values and/or rearrange the values according to the classification

Browsing the classification file



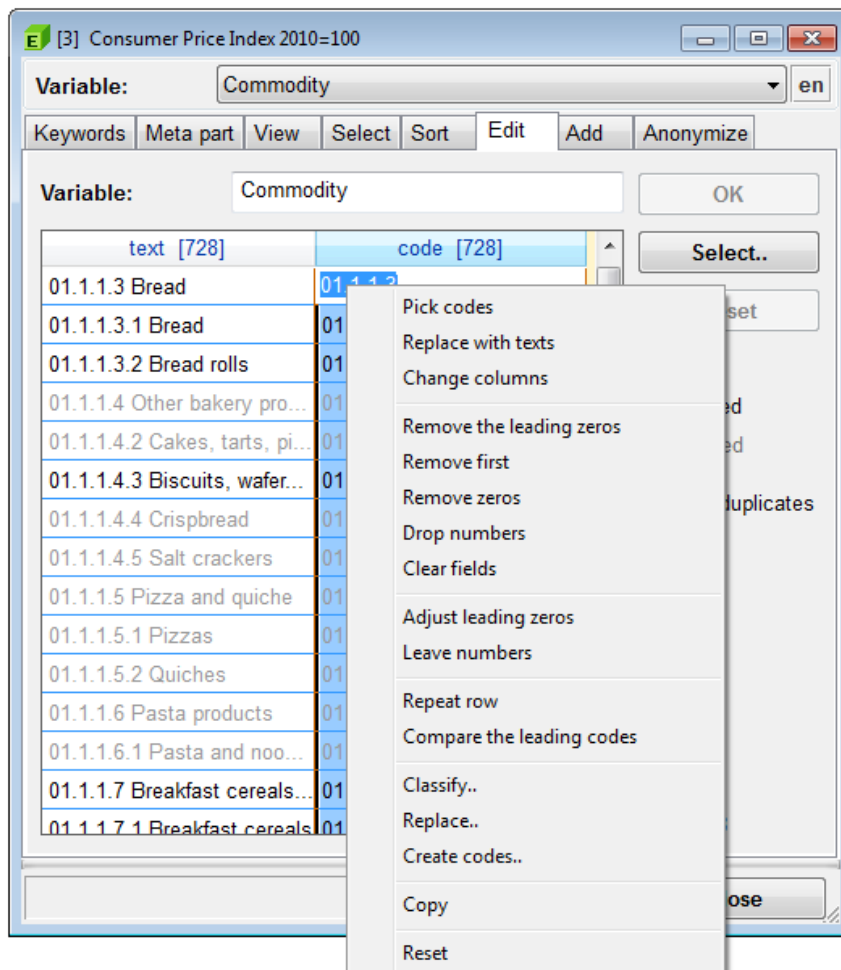
World in Figures version.

	Short character code	Character code	Finnish name
004	AF	AFG	Afganistan
528	NL	NLD	Alankomaat
530	AN	ANT	Alankomaiden Antillit
008	AL	ALB	Albania
012	DZ	DZA	Algeria
016	AS	ASM	Amerikan Samoa
020	AD	AND	Andorra
024	AO	AGO	Angola
660	AI	AIA	Anguilla
010	AQ	ATA	Antarktis
028	AG	ATG	Antigua ja Barbuda
784	AE	ARE	Arabiemiirikunnat
032	AR	ARG	Argentiina
051	AM	ARM	Armenia

Close

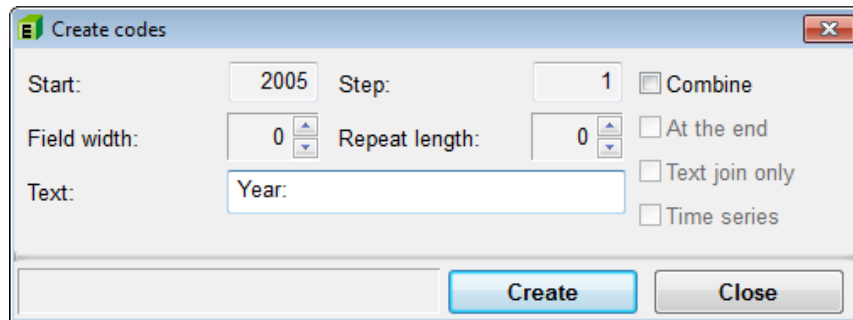
- The upper part shows any file comments
- The lower part shows the different classifications from the table
 - the column headers = the classification titles
 - the row headers = the codes

Edit: codes menu



- Pick codes
 - copy the leading codes from the texts
- Replace with texts
 - replace codes with corresponding texts
- Adjust leading zeros
 - if necessary pad the selected codes to the same width with leading zeros
- Remove the leading zeros
 - drop all leading zeros
- Clear fields
 - empty the selected lines
- Classify
 - standardise codes according to the texts

Code creating



Create codes

Start: 2005 Step: 1 ☒ Combine

Field width: 0 Repeat length: 0 ☐ At the end

Text: Year: ☐ Text join only ☐ Time series

Create Close

- Create new numeric codes
 - only for selected rows
 - normal case: start: 1, step: 1 will create codes 1, 2, 3, ...
 - the codes will have the same length (i.e. if necessary they are padded with leading zeros)
 - field width > 0 fixes the code width (if needed padding with leading zeros)
 - a fixed leading text may be used
 - the *Repeat length* setting cycles through the integers
 - *Time series* will be active if the current variable has *TIMEVAL* setting
 - selecting this overrides all other settings

Repeated value texts

Variable: Naselja

Keywords Meta part View Select Sort Edit Add Anonymize

Variable: Naselja

text [751]	code [697]
Gornji Grahec	022004
Gornji Hruševac	020575
Gornji Laduč	020761
Gornji Lukavec	036714
Gornji Marinkovac	020842
Gornji Oštrc	020966
Gornji Prnjarovec	021016
Gornji Stupnik	021113
Gornji Šarapov	024791
Gornji Šarapov	003964
Gornji Tkalec	021172
Gornji Vinkovec	021288
Gornji Vukštinac	021342
Gostoviæ	021512
Graharak	021601

1 / 761

OK Select.. Reset

☒ all ☐ selected ☐ repeated

☐ Allow duplicates

Close

- All the value texts must be **unique**
 - PC-Axis tables cannot function properly with repeated value texts or codes!
- PX-Edit allows unique value text handling and code combinations (with nagging)
 - all repeated texts will be shown with the repeated radio button
 - the repeated text input needs to be allowed separately via the Allow duplicates check box (use with caution)
 - this activates the **OK** button

Metadata editor: Add

Add Tab

[7] CITI01: Population 1 January by citizenship, age, reporting country ...

Variable: citizenship en

Keywords Meta part View Select Sort Edit Add Anonymize

New value

Nordic countries Code: -- enter new value Add empty

☐ Dots equal zero sum Aggregate

☒ Remove the aggregated values Fill item: .. Calculator..

Total
Denmark
Finland
Iceland
Norway
Sweden
other EEA
other Europe
Africa
Canada
USA
other America

Select..
☐ Codes
☒ Selected
Remove
Fill

5 / 16

New variable

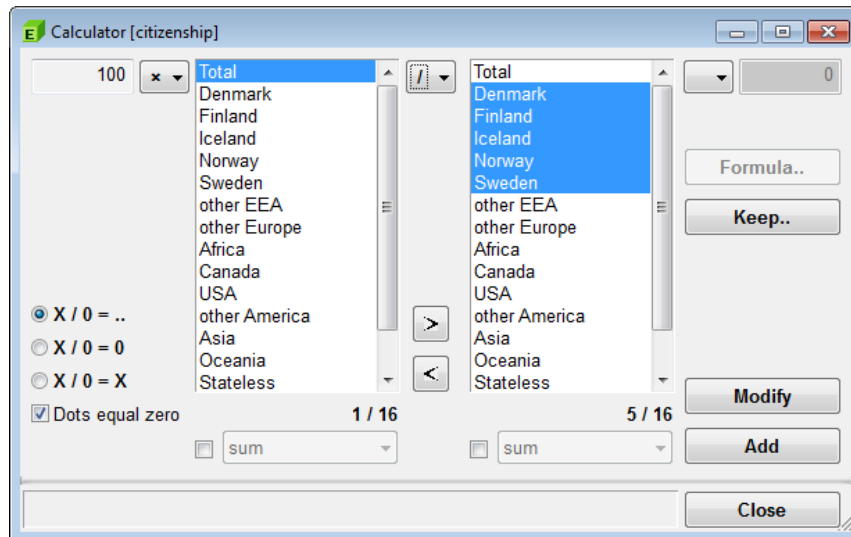
-- enter new variable -- Add

Value: -- enter value text Code: -- enter value code

Close

- Add new **empty** values
 - input new name and code
 - press the **Add empty** button
- Add **aggregated** values
 - select the values from the value list
 - determine the dot code behaviour
 - select the aggregation function
 - press the **Aggregate** button
- Add complicated values
 - use the *Calculator*
- Add new variables
 - input new name and the first value
 - press the **Add** button

Calculator



- Meant for complicated calculations
 - calculations should usually have been done **earlier**
- Modify existing values or add new ones
- The value lists and constant fields activate depending on the function selections
- Selected values may be aggregated
- Dot code and zero dividing behaviour is configurable

Calculator: principle

- The mnemonic formula: $x @ \text{left} @ \text{right} @ y$

where:

x, y constants

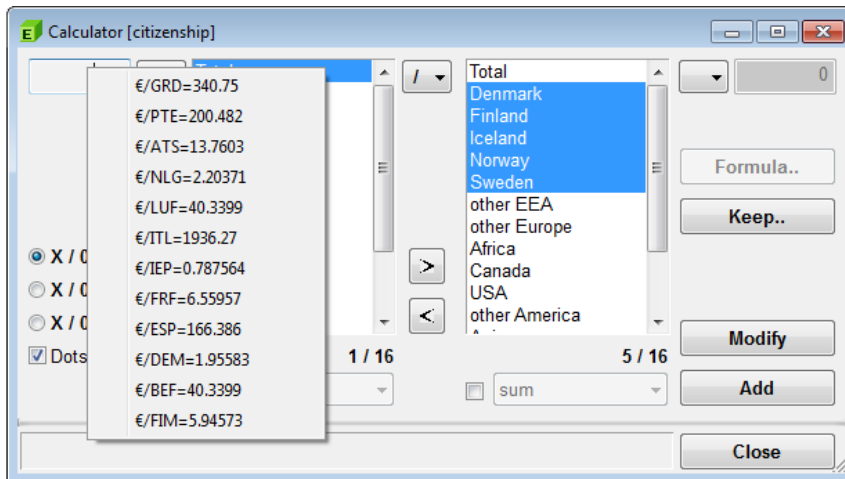
$\text{left}, \text{right}$ selected values or their sum

(the right list is always active)

$@$ calculating function (+, −, ×, / or %)

NB the function selection activates
the corresponding input field

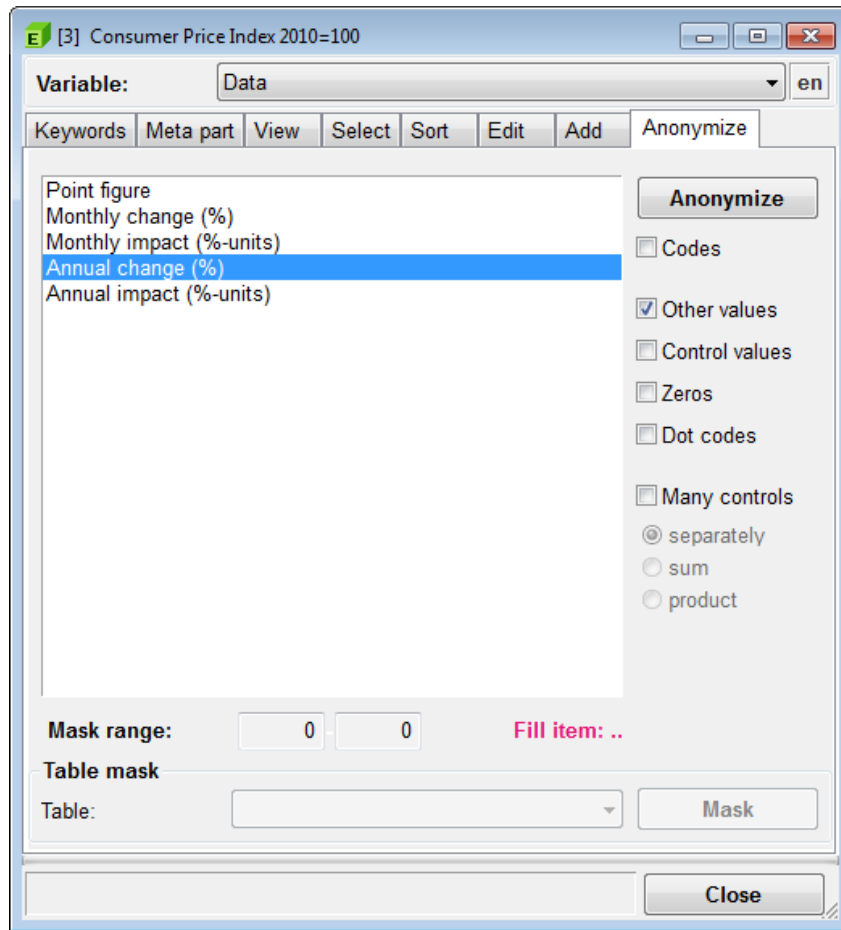
Calculator: formulae



- Formulae may be kept (used in the same session) or saved in a file for later use
- Constants may be selected from the drop down lists (double-click the field)

Metadata editor: Anonymize

Anonymize Tab



- Select needed values in the *Select* Tab
- Select the triggering value name (e.g. quantity value)
- Give the threshold range
- The **Anonymize** button will replace all the other values with the *Fill Item* when the trigger value belongs to the given range
- Switches for more complicated cases
- Data anonymizing **cannot** be undone

Anonymize: table mask

[8] CITI01: Population 1 January by citizenship, age, reporting country ...

Variable: citizenship en

Keywords Meta part View Select Sort Edit Add Anonymize

Total
Denmark
Finland
Iceland
Norway
Sweden
other EEA
other Europe
Africa
Canada
USA
other America
Asia
Oceania
Stateless
Unknown

Anonymize

☐ Codes
☒ Other values
☐ Control values
☐ Zeros
☐ Dot codes
☐ Many controls
 ☒ separately
 ☐ sum
 ☐ product

Mask range: 0 - 0 Fill item: ..

Table mask

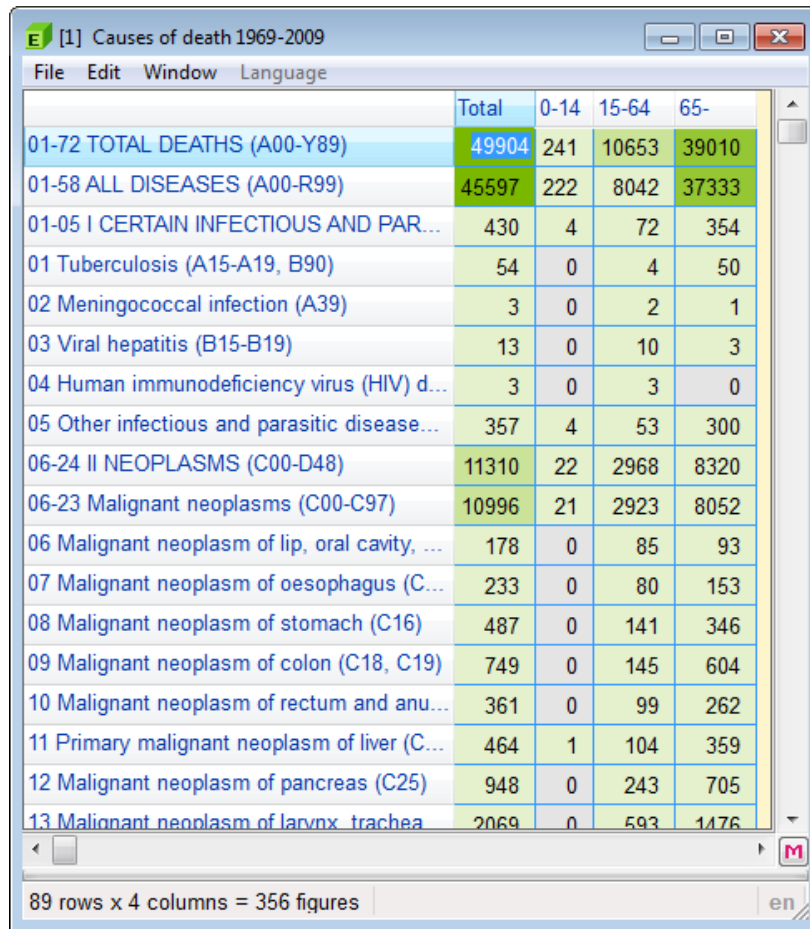
Table: [8] CITI01: Population 1 January by ci Mask

Close

- The data part of the mask table must be of the same size (rows x columns) as the table to be managed
- The mask table contains data and dot codes
- The resulting table will have the data from the original table and the dot codes from the mask table

Anonymizing: example

Original table



	Total	0-14	15-64	65-
01-72 TOTAL DEATHS (A00-Y89)	49904	241	10653	39010
01-58 ALL DISEASES (A00-R99)	45597	222	8042	37333
01-05 I CERTAIN INFECTIOUS AND PAR...	430	4	72	354
01 Tuberculosis (A15-A19, B90)	54	0	4	50
02 Meningococcal infection (A39)	3	0	2	1
03 Viral hepatitis (B15-B19)	13	0	10	3
04 Human immunodeficiency virus (HIV) d...	3	0	3	0
05 Other infectious and parasitic disease...	357	4	53	300
06-24 II NEOPLASMS (C00-D48)	11310	22	2968	8320
06-23 Malignant neoplasms (C00-C97)	10996	21	2923	8052
06 Malignant neoplasm of lip, oral cavity, ...	178	0	85	93
07 Malignant neoplasm of oesophagus (C...	233	0	80	153
08 Malignant neoplasm of stomach (C16)	487	0	141	346
09 Malignant neoplasm of colon (C18, C19)	749	0	145	604
10 Malignant neoplasm of rectum and anu...	361	0	99	262
11 Primary malignant neoplasm of liver (C...	464	1	104	359
12 Malignant neoplasm of pancreas (C25)	948	0	243	705
13 Malignant neoplasm of larynx, trachea	2069	0	593	1476

89 rows x 4 columns = 356 figures

- All the age groups, where **Total** is not greater than 10, should be masked with the *Fill item*

Needed settings

[9] Causes of death 1969-2009

Variable: Age en

Keywords Meta part View Select Sort Edit Add Anonymize

Total
0-14
15-64
65-

Anonymize

☐ Codes
☒ Other values
☐ Control values
☐ Zeros
☐ Dot codes
☐ Many controls
 ☒ separately
 ☐ sum
 ☐ product

Mask range: 0 10 Fill item: ..

Table mask
Table: Mask

Close

- Total is selected as the control value
- The mask range is set as 0..10
- **Anonymize** button will first show the confirmation window, and pressing Yes gives...

Anonymized table

[1] Causes of death 1969-2009

	Total	0-14	15-64	65-
01-72 TOTAL DEATHS (A00-Y89)	49904	241	1653	1010
01-58 ALL DISEASES (A00-R99)	45597	222	1042	1333
01-05 I CERTAIN INFECTIOUS AND PAR...	430	4	72	354
01 Tuberculosis (A15-A19, B90)	54	0	4	50
02 Meningococcal infection (A39)	3	0	....	....
03 Viral hepatitis (B15-B19)	13	0	10	3
04 Human immunodeficiency virus (HIV) d...	3	0	....	0
05 Other infectious and parasitic disease...	357	4	53	300
06-24 II NEOPLASMS (C00-D48)	11310	22	1968	1320
06-23 Malignant neoplasms (C00-C97)	10996	21	1923	1052
06 Malignant neoplasm of lip, oral cavity, ...	178	0	85	93
07 Malignant neoplasm of oesophagus (C...	233	0	80	153
08 Malignant neoplasm of stomach (C16)	487	0	141	346
09 Malignant neoplasm of colon (C18, C19)	749	0	145	604
10 Malignant neoplasm of rectum and anu...	361	0	99	262
11 Primary malignant neoplasm of liver (C...	464	1	104	359
12 Malignant neoplasm of pancreas (C25)	948	0	243	705
13 Malignant neoplasm of larynx, trachea	2069	0	593	1476

89 rows x 4 columns = 356 figures | 7 rows were masked.

- The *Fill item* has been set as four dots for clarity
- Zeros were not masked as default
 - if that would have been necessary, the zeros check box would have done the trick