

# PX-Edit 3.3

## Table editing

# Table window



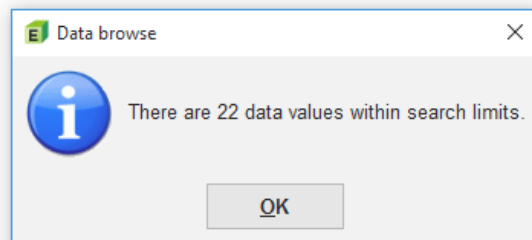
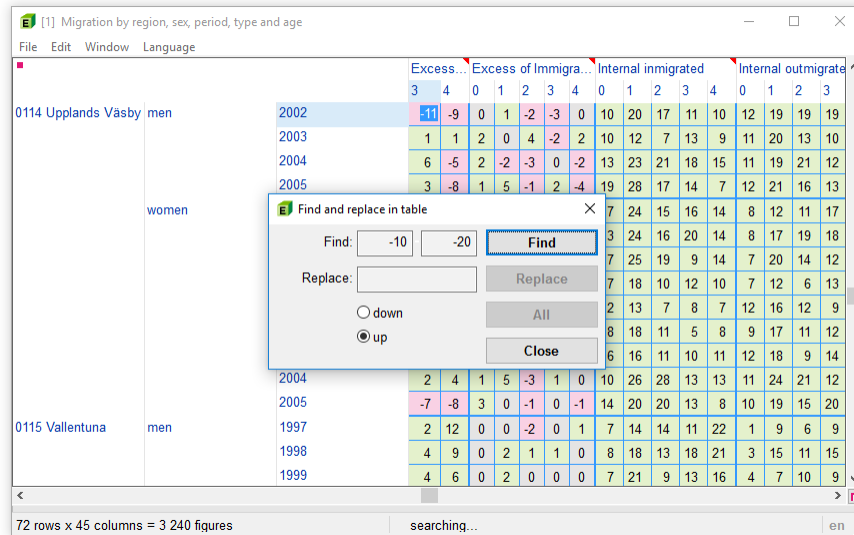
# Table window: editing

The screenshot shows a software window titled "[1] Migration by region, sex, period, type and age". It contains a large table with columns for regions (00 Sweden, 01 Stockhol...), sex (women, men), years (1999-2005), and various migration metrics (Emigrants, Excess of migration, Excess of Immigration, Inter...). A "Copy to clipboard" dialog box is open over the table, with "Rows" set to 10 and "Columns" set to 10. The dialog also has checkboxes for "Unicode" and "Headers". The status bar at the bottom indicates "72 rows x 45 columns = 3 240 figures".

- Any cell may be edited
  - the dot codes can be tricky
- No block selections
- Move around with keyboard
  - PageUp/PageDown/Home/End
  - Up/Down/Left/Right arrows
  - Ctrl+PageUp/...
- Clipboard support
  - **Ctrl+c** opens a copy window
  - **Ctrl+v** copies the data as much as possible
- Do not forget Undo [**Ctrl+z**]



# 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: value navigation

The screenshot shows a table window titled "[1] Polizeilich registrierte Straftaten gemäss Strafgesetzbuch nach Jahr, Kanton,...". The table displays crime statistics for the year 2009 in Switzerland. A search window titled "Search value text" is open, showing a dropdown menu with "Straftat" and a search field containing "tötung". The search results show 2 / 3 items. The table has columns for "Ausführungsgrad - Total", "Aufklärungsgrad - Total", and "Unaufgeklärt". The status bar at the bottom indicates "55 296 rows x 9 columns = 497 664 figures".

	Ausführungsgrad - Total	Aufklärungsgrad - Total	Unaufgeklärt
Tötung auf Verlan...	0	0	0
Verleitung/Beihilfe...	0	0	0
Fahrlässige Tötun...	47	6	6
Strafbarer Schwan...	3	1	1
Übertretungen dur...	0	0	0
Schwere Körperve...	524	151	151
...	9787	2130	2130
...	571	137	137
...	3596	2609	2609
Aussetzung (Art. ...	7	1	1
Unterlassung der ...	103	17	17
Falscher Alarm (A...	105	37	37
Gefährdung des L...	769	208	208
Beteiligung Raufh...	1252	51	51
Beteiligung Angriff...	2154	733	733
Gewaltdarstellung...	88	5	5
Verbreiten des	98	1	1

- Sometimes there may be so many value texts that there is need for a precise value text searching
- Shortcut **Ctrl+Shift+f** opens a separate search window
  - the drop-down menu shows the table variables
  - you may write any text string in the search field
  - the text will be searched within the value texts when pressing the forwards (>) or backwards (<) button, or **Enter** and **Esc** keys correspondingly
  - the search is case-independent



# **Metadata editor: Keywords**

# Keywords Tab

[1] Migration by region, sex, period, type and age

Variable:  en

Keywords Meta part View Select Sort Edit Add Anonymize

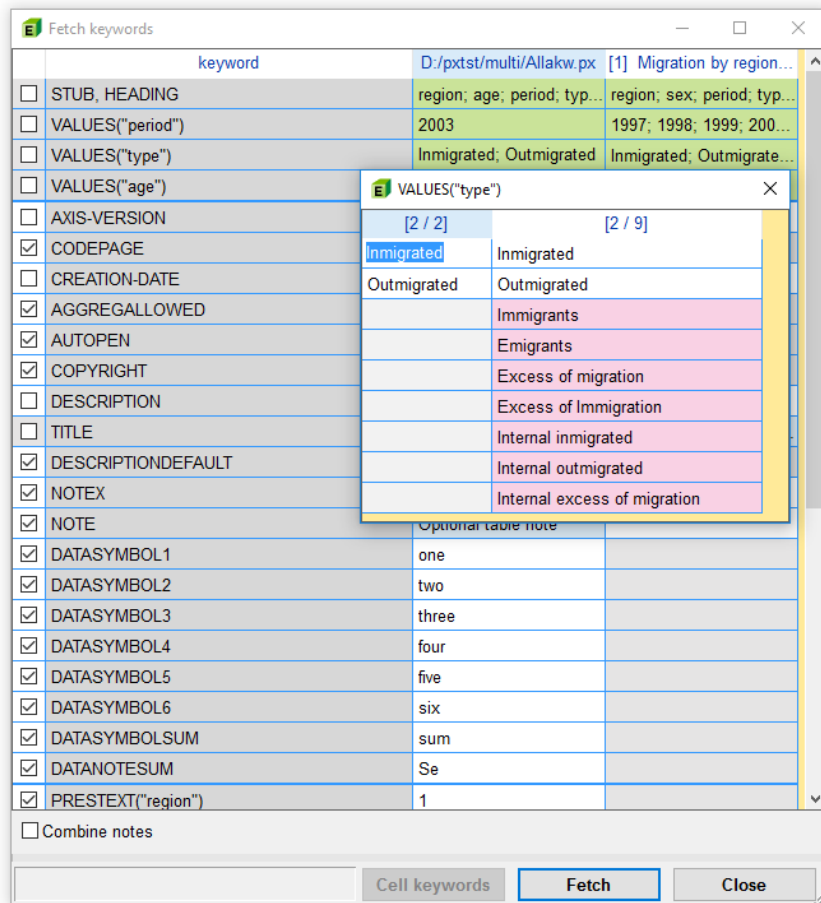
keyword	value
CHARSET	ANSI
AXIS-VERSION	2006
LANGUAGE	en
LANGUAGES	
CREATION-DATE	20060707 13:04
DECIMALS	0
SHOWDECIMALS	0
MATRIX	BE0101F1
SUBJECT-CODE	BE
SUBJECT-AREA	Population
COPYRIGHT	
DESCRIPTION	
TITLE	Migration by region, sex, period, type and age
CONTENTS	Migration
UNITS	number
CONTVARIABLE	type

☒ Hide Set.. Defaults Import..

Close

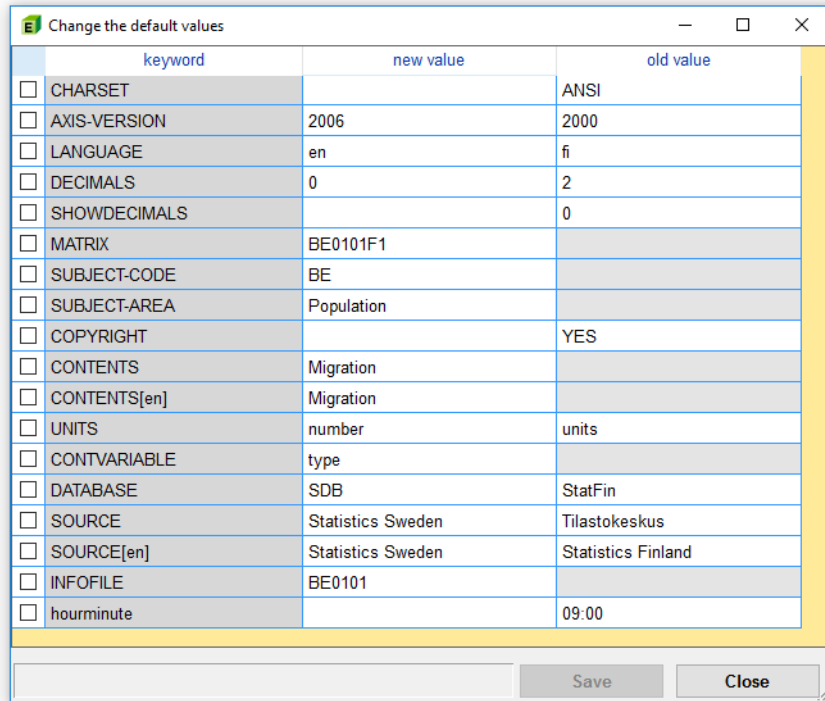
- Keywords are grouped in four sheets
- Field colours denote different actions
  - one-line input (with maximum length)
  - multi-line input
  - selection lists
  - numeric
  - time and date
  - unknown
  - special fields (e.g. *TIMEVAL*)
- Hide* selection conceals all non-mandatory and empty keywords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

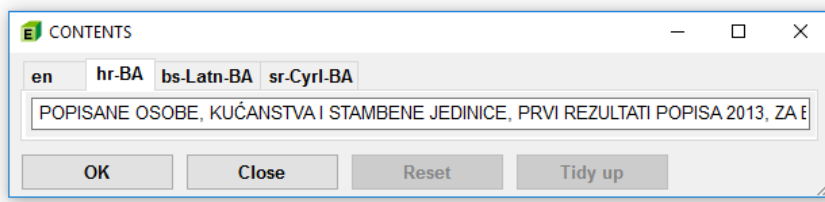
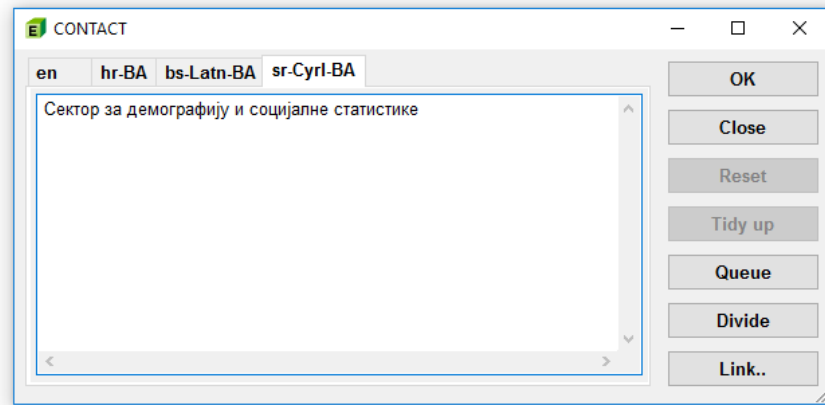


	keyword	new value	old value
<input type="checkbox"/>	CHARSET		ANSI
<input type="checkbox"/>	AXIS-VERSION	2006	2000
<input type="checkbox"/>	LANGUAGE	en	fi
<input type="checkbox"/>	DECIMALS	0	2
<input type="checkbox"/>	SHOWDECIMALS		0
<input type="checkbox"/>	MATRIX	BE0101F1	
<input type="checkbox"/>	SUBJECT-CODE	BE	
<input type="checkbox"/>	SUBJECT-AREA	Population	
<input type="checkbox"/>	COPYRIGHT		YES
<input type="checkbox"/>	CONTENTS	Migration	
<input type="checkbox"/>	CONTENTS[en]	Migration	
<input type="checkbox"/>	UNITS	number	units
<input type="checkbox"/>	CONTVARIABLE	type	
<input type="checkbox"/>	DATABASE	SDB	StatFin
<input type="checkbox"/>	SOURCE	Statistics Sweden	Tilastokeskus
<input type="checkbox"/>	SOURCE[en]	Statistics Sweden	Statistics Finland
<input type="checkbox"/>	INFOFILE	BE0101	
<input type="checkbox"/>	hourminute		09:00

Save Close

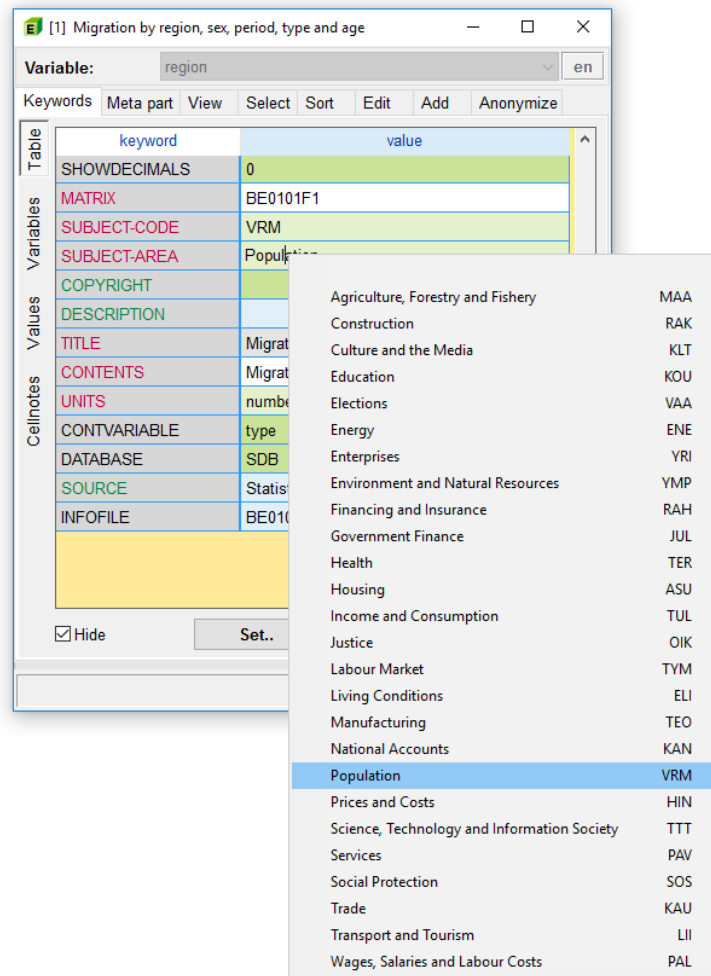
- **Set** button opens the **default value** control window
- Default values in use are in the rightmost column and the values from the active table are to the left
- Personal default values may be changed by marking the corresponding check boxes and pressing the **Save** button

# Keywords: text input

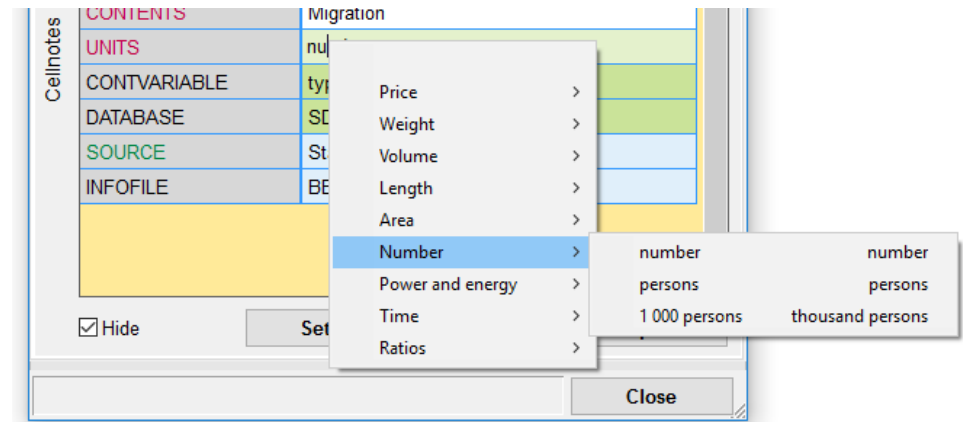


- Multiline input window
  - separate sheets are available for different languages
  - clipboard support
  - line lengths may be adjusted according to the input field width (**Divide**)
  - all lines may be joined as one (**Queue**)
  - www links may be edited with a separate window (**Link**)
- Single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

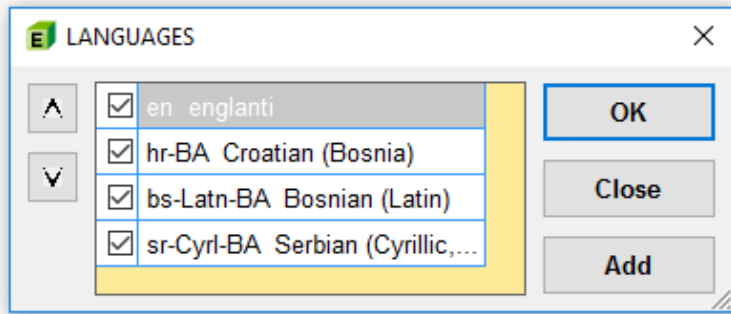
# Keywords: menus



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

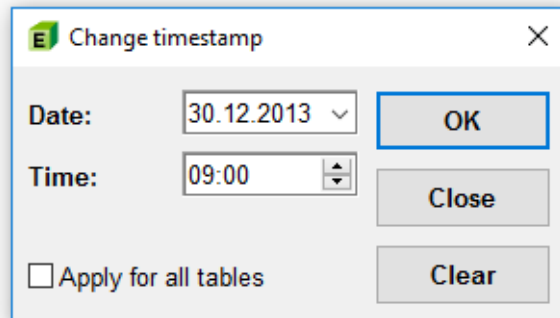


# Keywords: *LANGUAGES*



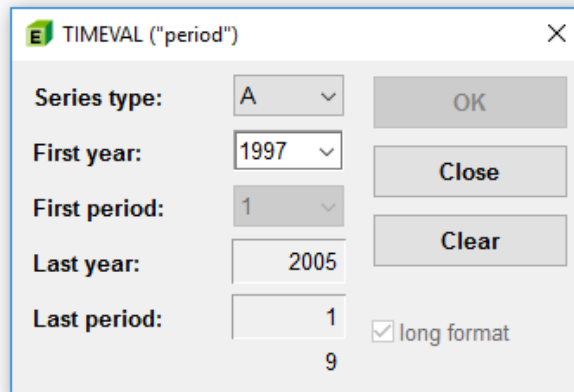
- Multilingual table languages may be added and handled via the *LANGUAGES* keyword field
  - the first language is the **main** language
  - the selected languages will be the selection for the *LANGUAGE* field

# 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 dropdown menu showing '09:00'. To the right of these fields are three buttons: 'OK' (highlighted with a blue border), 'Close', and 'Clear'. 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

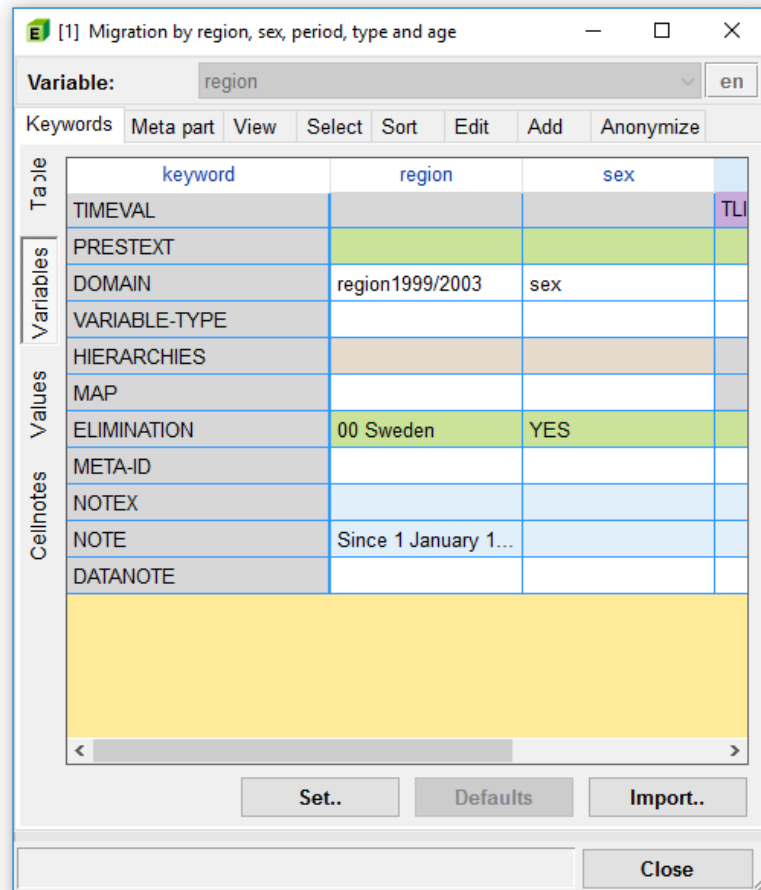


The 'TIMEVAL ("period")' dialog box has a title bar with a green 'E' icon and a close button. It contains five input fields: 'Series type:' with a dropdown menu showing 'A', 'First year:' with a dropdown menu showing '1997', 'First period:' with a dropdown menu showing '1', 'Last year:' with a text input field showing '2005', and 'Last period:' with a text input field showing '1'. To the right of these fields are three buttons: 'OK', 'Close', and 'Clear'. At the bottom right, there is a checkbox labeled 'long format' which is checked. Below the 'Last period:' input field, the number '9' is displayed.

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



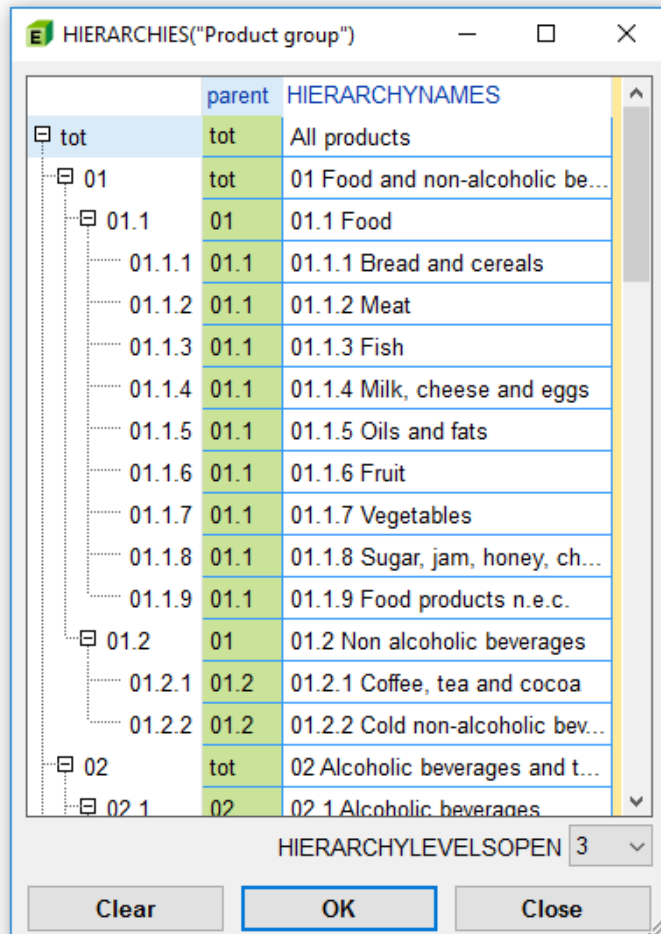
# Keywords: variable-specific keywords



	keyword	region	sex	TLI
TIMEVAL				TLI
PRETEXT				
DOMAIN		region1999/2003	sex	
VARIABLE-TYPE				
HIERARCHIES				
MAP				
ELIMINATION		00 Sweden	YES	
META-ID				
NOTEX				
NOTE		Since 1 January 1...		
DATANOTE				

- 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 a window titled "HIERARCHIES('Product group')". It contains a tree view on the left and a table on the right. The tree view shows a hierarchy starting with "tot", followed by "01", "01.1", and then several sub-items under "01.1". The table on the right lists the same hierarchy in a flat format with columns for "parent" and "HIERARCHYNAMES".

	parent	HIERARCHYNAMES
tot	tot	All products
01	tot	01 Food and non-alcoholic be...
01.1	01	01.1 Food
01.1.1	01.1	01.1.1 Bread and cereals
01.1.2	01.1	01.1.2 Meat
01.1.3	01.1	01.1.3 Fish
01.1.4	01.1	01.1.4 Milk, cheese and eggs
01.1.5	01.1	01.1.5 Oils and fats
01.1.6	01.1	01.1.6 Fruit
01.1.7	01.1	01.1.7 Vegetables
01.1.8	01.1	01.1.8 Sugar, jam, honey, ch...
01.1.9	01.1	01.1.9 Food products n.e.c.
01.2	01	01.2 Non alcoholic beverages
01.2.1	01.2	01.2.1 Coffee, tea and cocoa
01.2.2	01.2	01.2.2 Cold non-alcoholic bev...
02	tot	02 Alcoholic beverages and t...
02.1	02	02.1 Alcoholic beverages

At the bottom of the window, there is a dropdown menu labeled "HIERARCHYLEVELSOPEN" with the value "3" selected. Below this are three buttons: "Clear", "OK", and "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

[1] Migration by region, sex, period, type and age

Variable: type en

Keywords Meta part View Select Sort Edit Add Anonymize

value	LAST-U...	S..	C..	D..	S...	UNITS	CONTA
Immigrated	2006020...	F				number	Befolkni
Outmigrated	2006020...	F				number	
Immigrants	2006020...	F				number	
Emigrants	2006020...	F				number	
Excess of migration	2006020...	F				number	
Excess of Immigration	2006020...	F				number	
Internal immigrated	2006020...	F				number	
Internal outmigrated	2006020...	F				number	
Internal excess of migration	2006020...	F				number	

PRECISION Set.. Defaults Import..

Close

- 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 *PRECISION* (if not greater than *DECIMALS*)

# Keywords: cell-specific keywords

[5] Население, пятилетние возрастные группы по Стран...

Variable: Страна ru

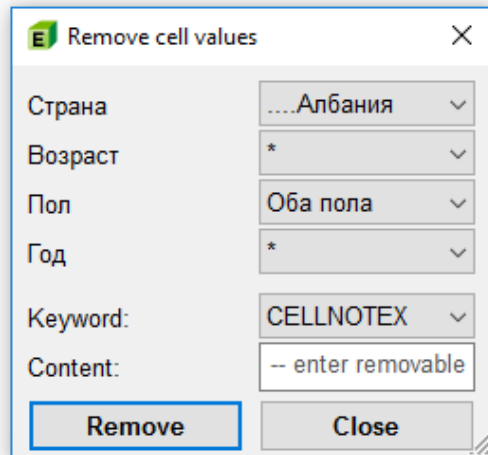
Keywords Meta part View Select Sort Edit Add Anonymize

Страна	Возраст	Пол	Год	
....Армения	*	*	*	2001
....Беларусь	*	*	*	Coll
....Босния и Г...	*	*	*	Fron
....Канада	*	*	*	Data
....Хорватия	*	*	*	1980
....Кипр	*	*	*	1980
....Грузия	*	*	*	1990
....Германия	*	*	*	2003
....Венгрия	*	*	*	Age
....Ирландия	*	*	*	198
....Израиль	*	*	*	1980
....Казахстан	*	*	*	1990
....Кыргызстан	*	*	*	2002
....Португалия	*	*	*	Up t
....Республик...	*	*	*	1995

23 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

Страна: ....Албания

Возраст: \*

Пол: Оба пола

Год: \*

Keyword: CELLNOTEX

Content: -- enter removable

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

[1] ENUMERATED PERSONS, HOUSEHOLDS AND DWELLINGS, 20...

Variable: State/Entities/District en

Keywords Meta part View Select Sort Edit Add Anonymize

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 CEN";

DESCRIPTION[hr-BA]="POPIŠANJE OSOBA, KUĆANSTVA I STAMBENIH JEDINICA";

DESCRIPTION[bs-Latn-BA]="POPIŠANJE OSOBA, DOMAĆINSTVA I STAMBENIH JEDINICA";

DESCRIPTION[sr-Cyrl-BA]="ПРЕПИСИВАЊЕ ЛИЧНОСТИ, КУЋАНСТАВА И СТАМБЕНИХ ЈЕДИНИЦА";

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

TITLE[hr-BA]="POPIŠANJE OSOBA, KUĆANSTVA I STAMBENIH JEDINICA, PRIVREMENO";

TITLE[bs-Latn-BA]="POPIŠANJE OSOBA, DOMAĆINSTVA I STAMBENIH JEDINICA, PRIVREMENO";

TITLE[sr-Cyrl-BA]="ПРЕПИСИВАЊЕ ЛИЧНОСТИ, КУЋАНСТАВА И СТАМБЕНИХ ЈЕДИНИЦА, ПРИБЛИЖНО";

DESCRIPTIONDEFAULT=YES;

CONTENTS="ENUMERATED PERSONS, HOUSEHOLDS AND DWELLINGS, 2013 CEN";

CONTENTS[hr-BA]="POPIŠANJE OSOBA, KUĆANSTVA I STAMBENIH JEDINICA, PRIVREMENO";

PC-Axis format ☒ 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

[1] ENUMERATED PERSONS, HOUSEHOLDS AND DWELLINGS, 20...

Variable: State/Entities/District en

Keywords Meta part View Select Sort Edit Add Anonymize

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, ;  
DESCRIPTION[hr-BA]="POPIŠANE OSOBE, KUĆANSTVA I STAMBENE JEDINICE  
DESCRIPTION[bs-Latn-BA]="POPIŠANE OSOBE, DOMAĆINSTVA I STAMBENE  
DESCRIPTION[sr-Cyrl-BA]="ПОПИСАНА ЛИЦА, ДОМАЋИНСТВА И СТАМБЕНЕ

TITLE="ENUMERATED PERSONS, HOUSEHOLDS AND DWELLINGS, 2013 CEN  
TITLE[hr-BA]="POPIŠANE OSOBE, KUĆANSTVA I STAMBENE JEDINICE, PRVI  
TITLE[bs-Latn-BA]="POPIŠANE OSOBE, DOMAĆINSTVA I STAMBENE JEDINICE  
TITLE[sr-Cyrl-BA]="ПОПИСАНА ЛИЦА, ДОМАЋИНСТВА И СТАМБЕНЕ ЈЕДИНИ

DESCRIPTIONDEFAULT=YES;

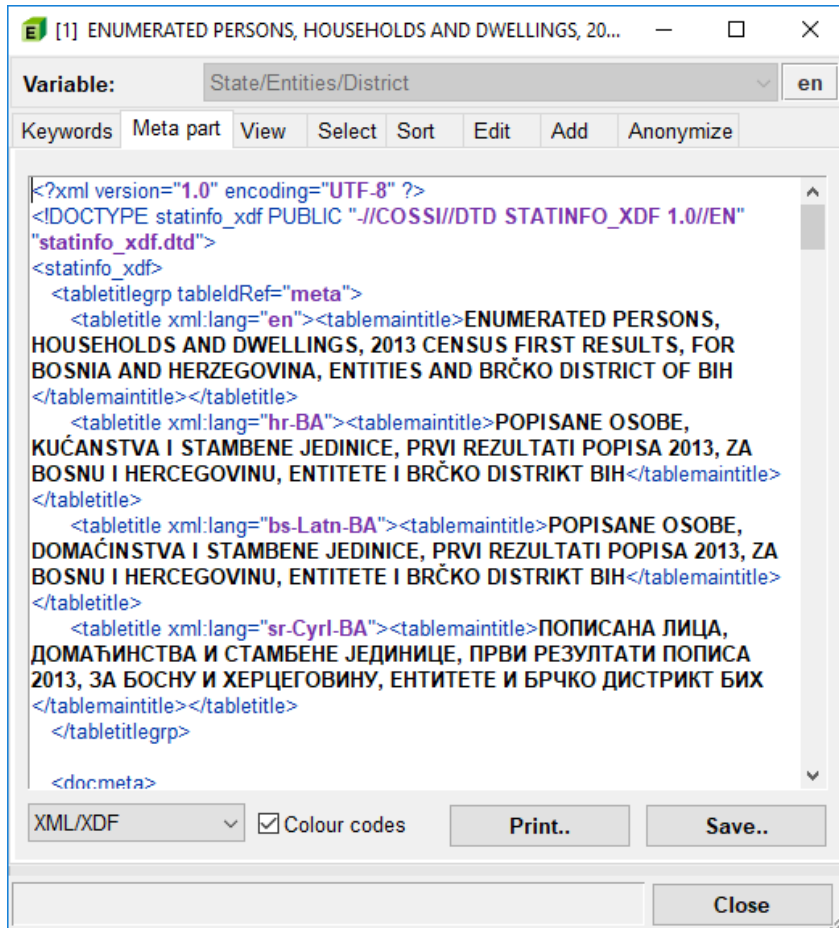
PC-Axis Unicode ☒ Colour codes Print.. Save..

Close

— The file structure shown in Unicode



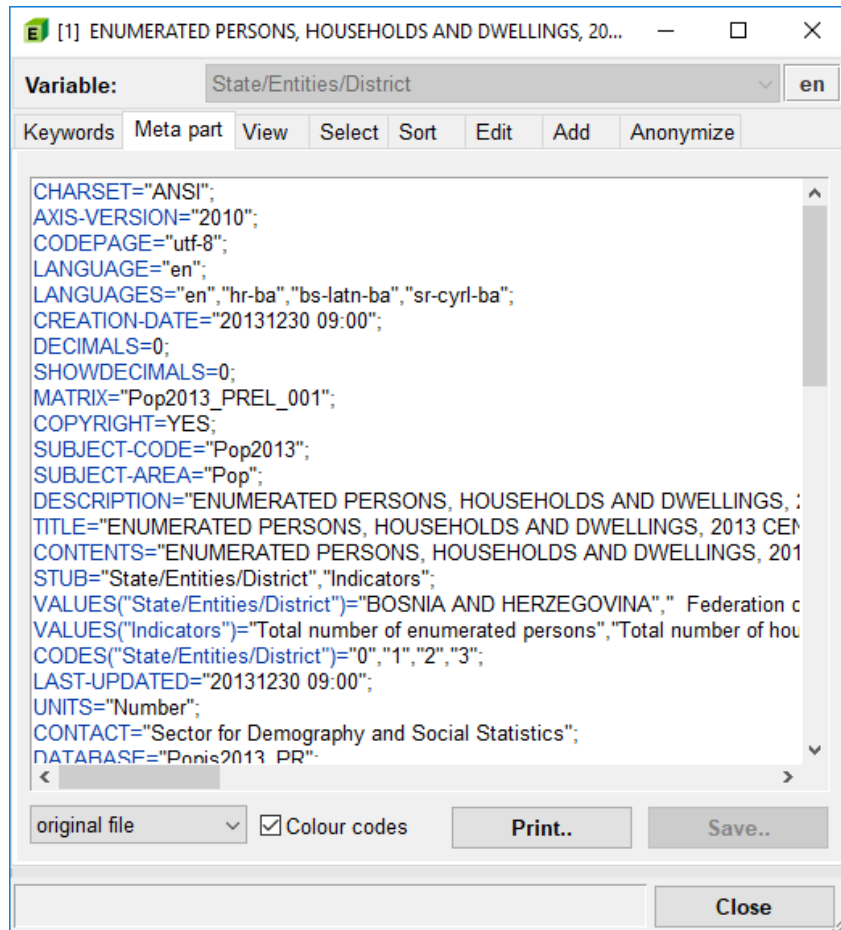
# Meta part: XML



```
<?xml version="1.0" encoding="UTF-8" ?>
<!DOCTYPE statinfo_xdf PUBLIC "-//COSSI/DTD STATINFO_XDF 1.0//EN"
"statinfo_xdf.dtd">
<statinfo_xdf>
  <tabletitlegrp tableIdRef="meta">
    <tabletitle xml:lang="en"><tablemaintitle>ENUMERATED PERSONS,
HOUSEHOLDS AND DWELLINGS, 2013 CENSUS FIRST RESULTS, FOR
BOSNIA AND HERZEGOVINA, ENTITIES AND BRČKO DISTRICT OF BIH
</tablemaintitle></tabletitle>
    <tabletitle xml:lang="hr-BA"><tablemaintitle>POPIŠANE OSOBE,
KUĆANSTVA I STAMBENE JEDINICE, PRVI REZULTATI POPIŠA 2013, ZA
BOSNU I HERCEGOVINU, ENTITETE I BRČKO DISTRIKT BIH</tablemaintitle>
</tabletitle>
    <tabletitle xml:lang="bs-Latn-BA"><tablemaintitle>POPIŠANE OSOBE,
DOMAĆINSTVA I STAMBENE JEDINICE, PRVI REZULTATI POPIŠA 2013, ZA
BOSNU I HERCEGOVINU, ENTITETE I BRČKO DISTRIKT BIH</tablemaintitle>
</tabletitle>
    <tabletitle xml:lang="sr-Cyrl-BA"><tablemaintitle>ПОПИСАНА ЛИЦА,
ДОМАЋИНСТВА И СТАМБЕНЕ ЈЕДИНИЦЕ, ПРВИ РЕЗУЛТАТИ ПОПИСА
2013, ЗА БОСНУ И ХЕРЦЕГОВИНУ, ЕНТИТЕТЕ И БРЧКО ДИСТРИКТ БИХ
</tablemaintitle></tabletitle>
  </tabletitlegrp>
</docmeta>
```

- 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)

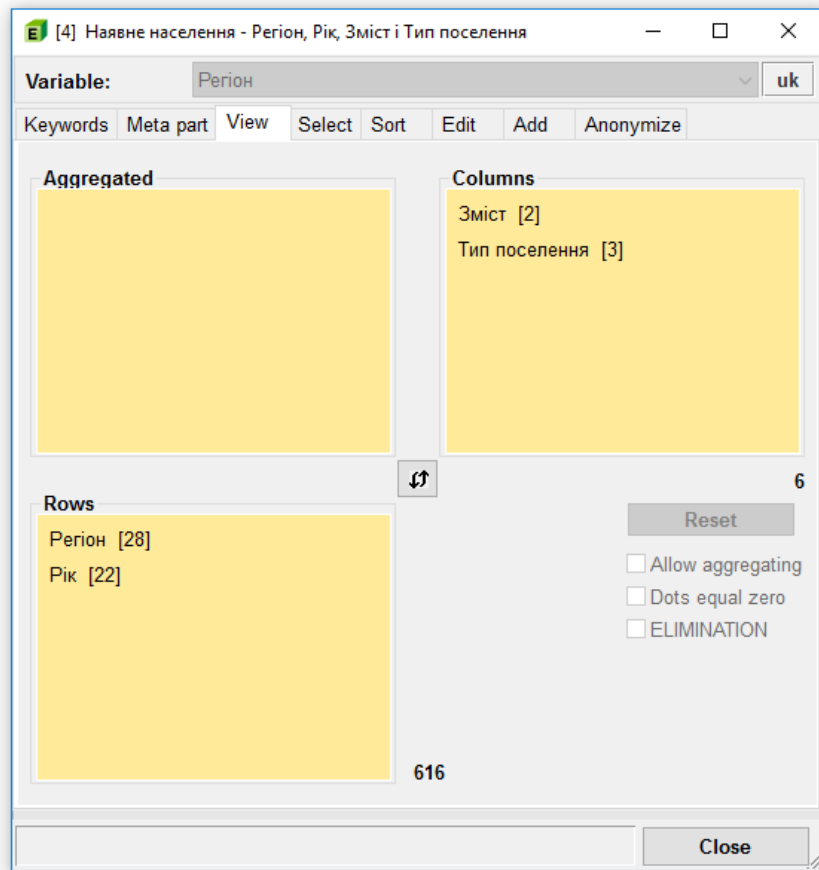
# Meta part: the original file



- 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

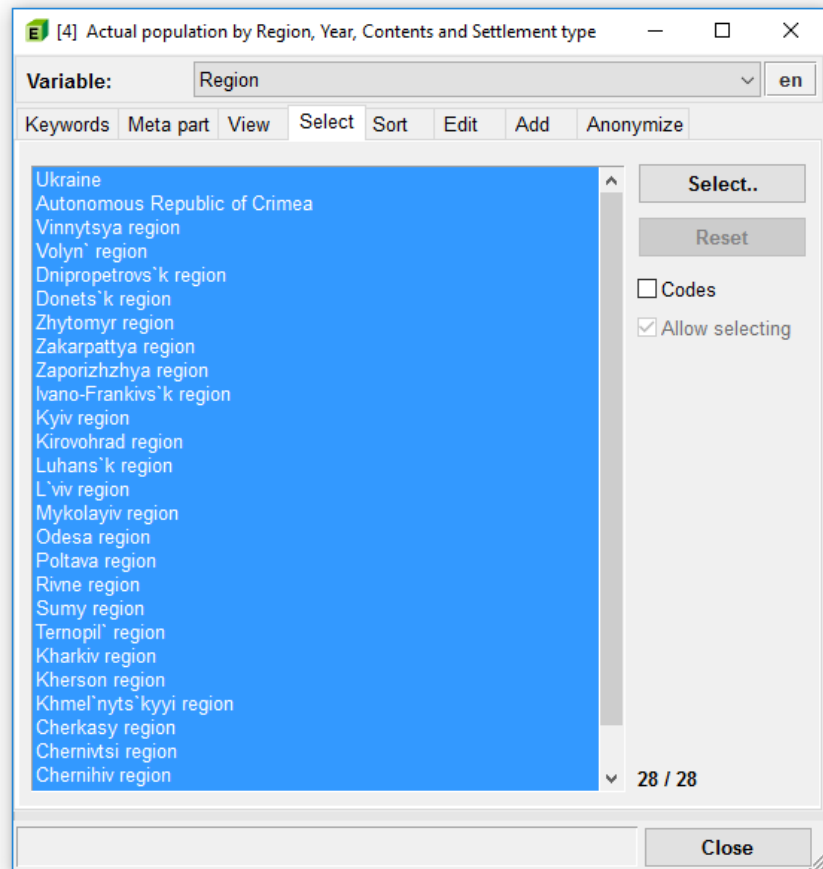
# View Tab



- 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

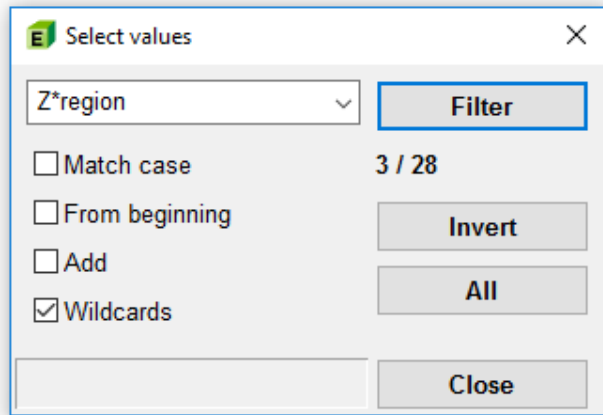
**Metadata editor: Select**

# 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

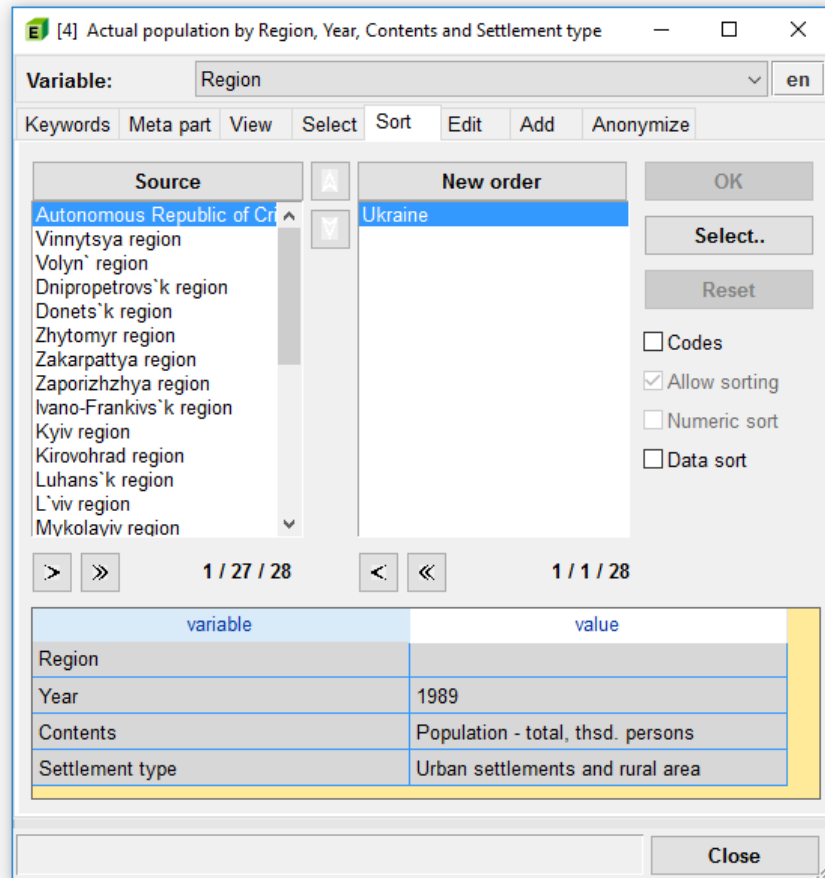


- Long lists are difficult to handle with mouse operations
- The *Filter* window makes it possible to select items from the list based on
  - text string in the text
  - text string starting the text
  - text string with wildcards (\* and ?)
  - cumulative selections
  - inverse selections

**Metadata editor: Sort**

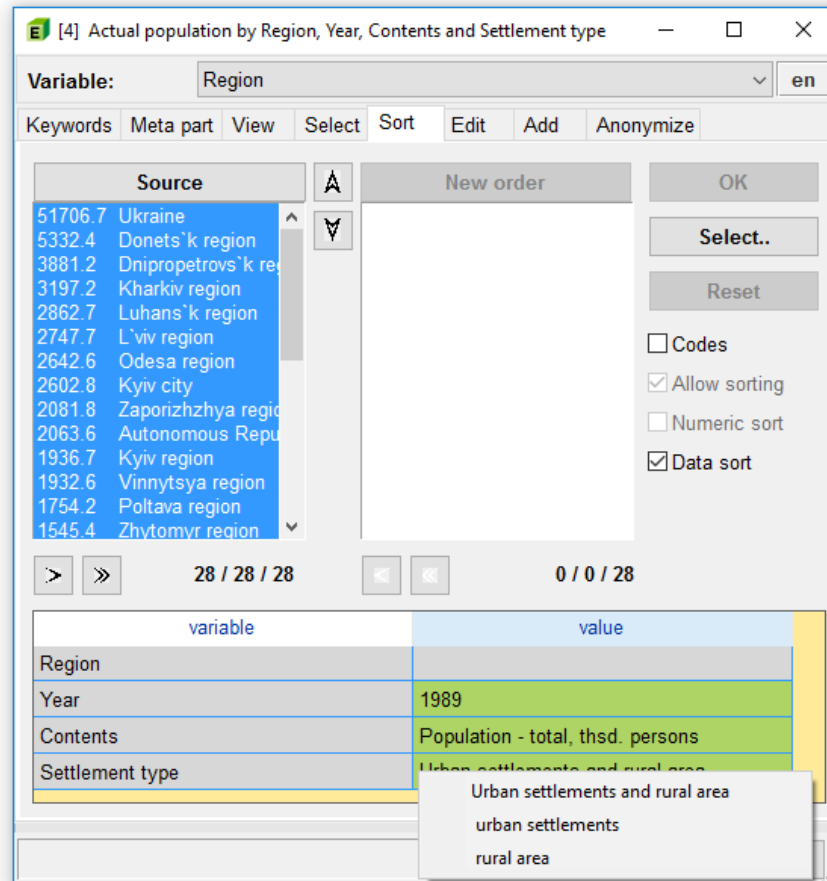


# Sort Tab



- 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



## — 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

text [28]	code [28]
Україна	0000000000
Автономна Республіка Крим	0010000000
Вінницька область	0050000000
Волинська область	0070000000
Дніпропетровська область	0120000000
Донецька область	0140000000
Житомирська область	0180000000
Закарпатська область	0210000000
Запорізька область	0230000000
Івано-Франківська область	0260000000
Київська область	0320000000
Кіровоградська область	0350000000
Луганська область	0440000000
Львівська область	0460000000
Миколаївська область	0480000000

- Rename variables and/or values
- 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:

Keywords Meta part View Select Sort Edit Add Anonymize

Variable:

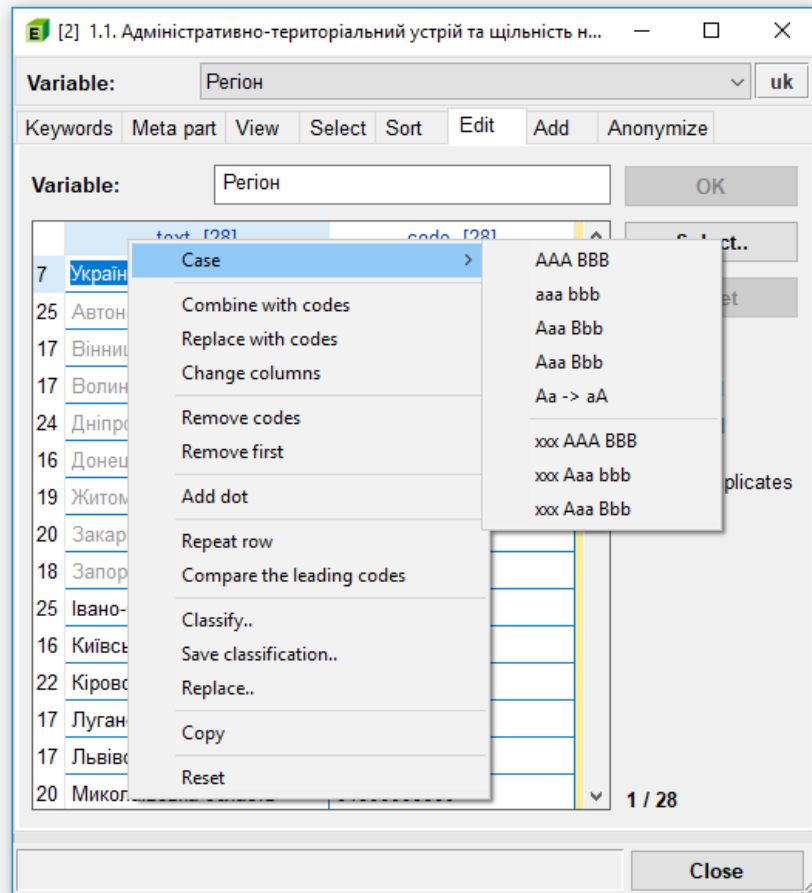
	text [28]	code [28]
7	Україна	0000000000
25	Автономна Республіка Кр	0010000000
17	Вінницька область	0050000000
17	Волинська область	0070000000
24	Дніпропетровська область	0120000000
16	Донецька область	0140000000
19	Житомирська область	0180000000
20	Закарпатська область	0210000000
18	Запорізька область	0230000000
25	Івано-Франківська область	0260000000
16	Київська область	0320000000
22	Кіровоградська область	0350000000
17	Луганська область	0440000000
17	Львівська область	0460000000
20	Миколаївська область	0480000000

☒ all  
☐ selected  
☐ repeated  
☐ Allow duplicates

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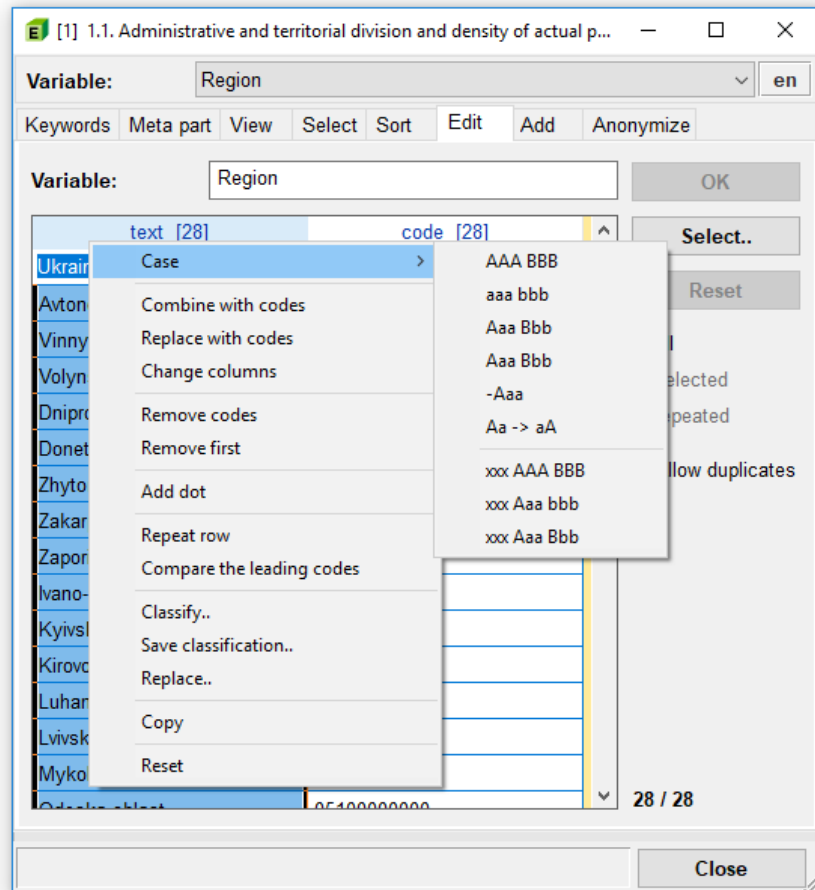
- Text lengths can be made visible by dragging the upper left area of the header
  - comes forth automatically if any length exceeds the pre-set limit
- The value or code menu opens by right-clicking
  - will show only **applicable** menu items

# Edit: values menu /1



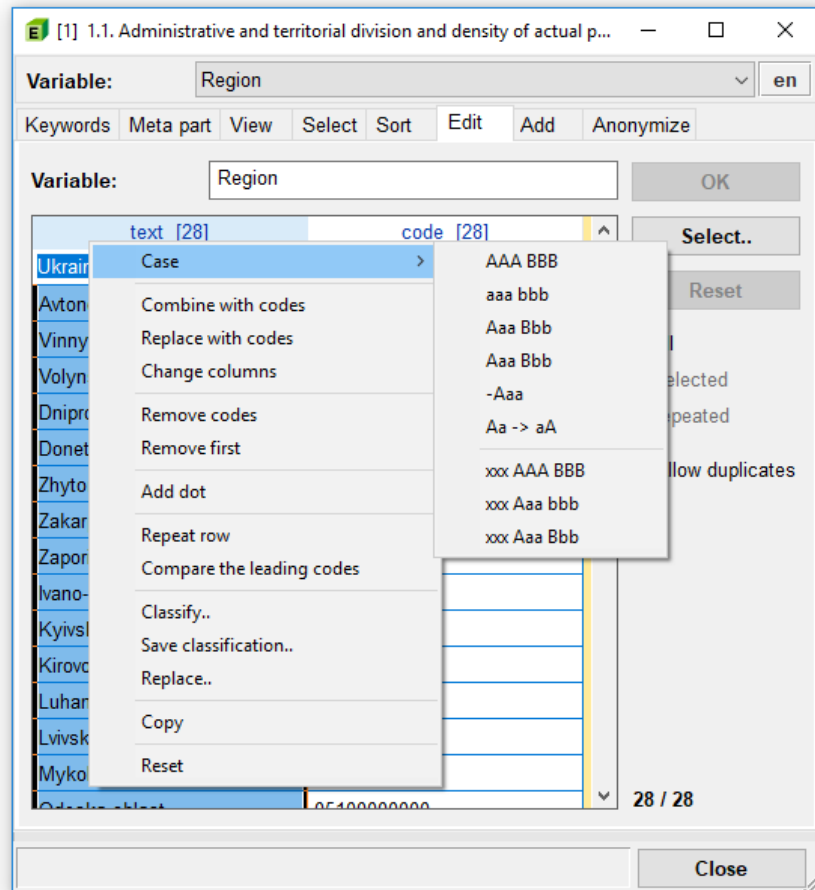
- Case sub-menu
  - character case changes
- Combine with codes
  - put codes in front of the texts separated with space
- Replace with codes
  - replace texts with corresponding codes
- Change columns
  - change texts to codes and vice versa
- Remove codes
  - remove the leading codes
- Remove first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

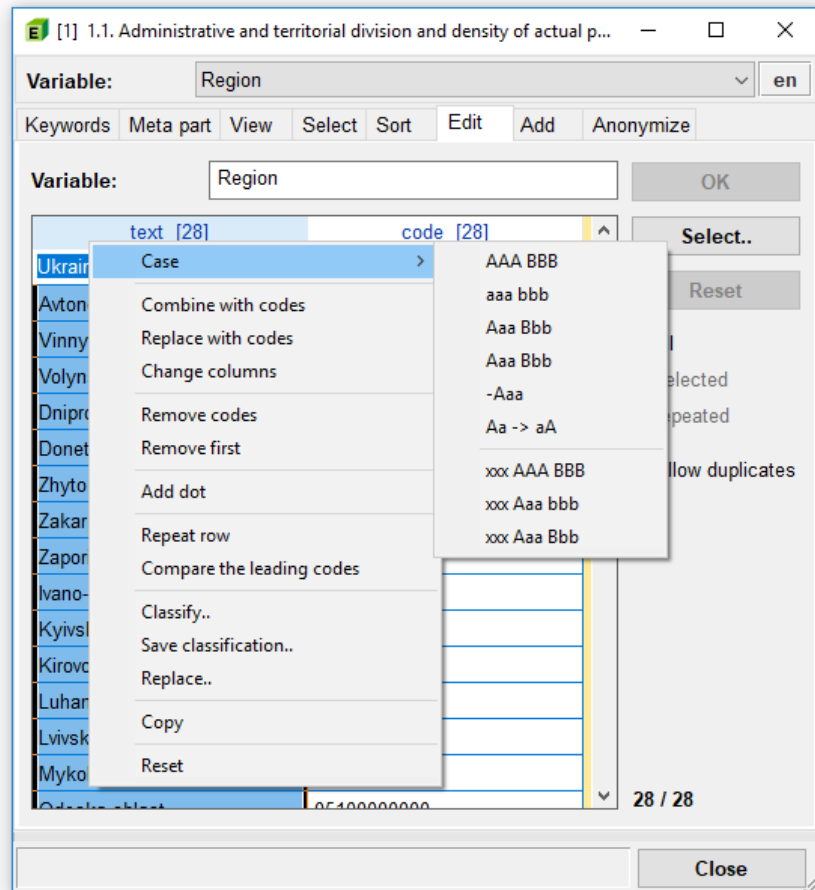
# Values: case menu /2



- -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

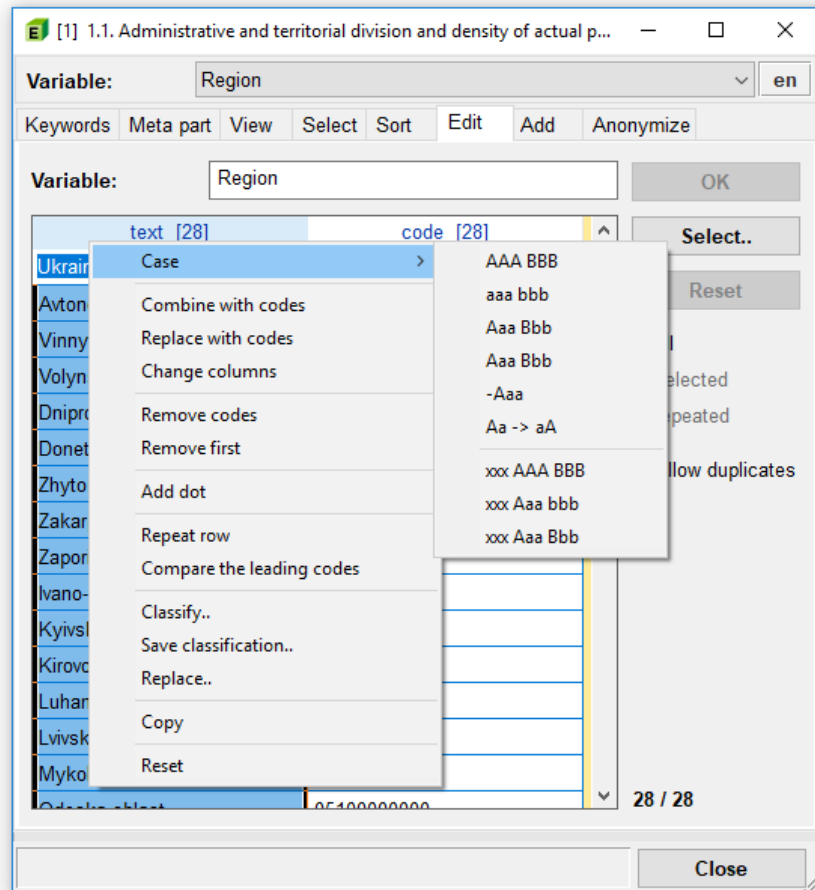


# Edit: values menu /2



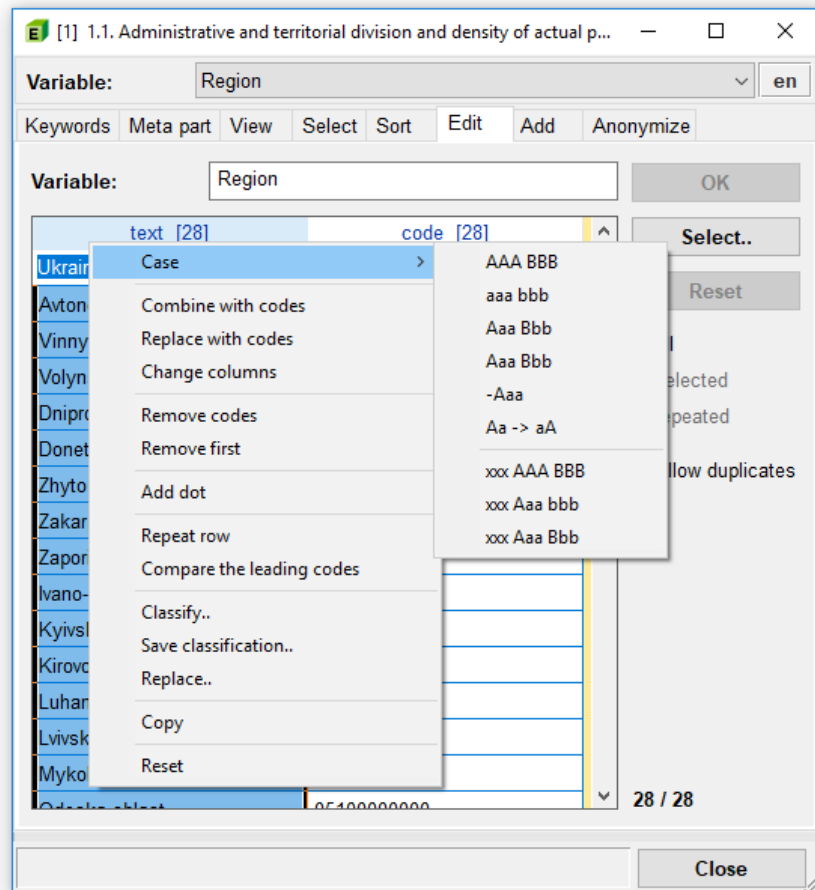
- Remove the leading blanks
  - drop the leading spaces
- Compress
  - compress successive blanks to one
- *Cut to the length* sub-menu
  - trim line length
- Add dot
  - add a dot in front of the selected lines
- Repeat row
  - replace the selected lines with the first selected line
- Compare the leading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

# Edit: values menu /3



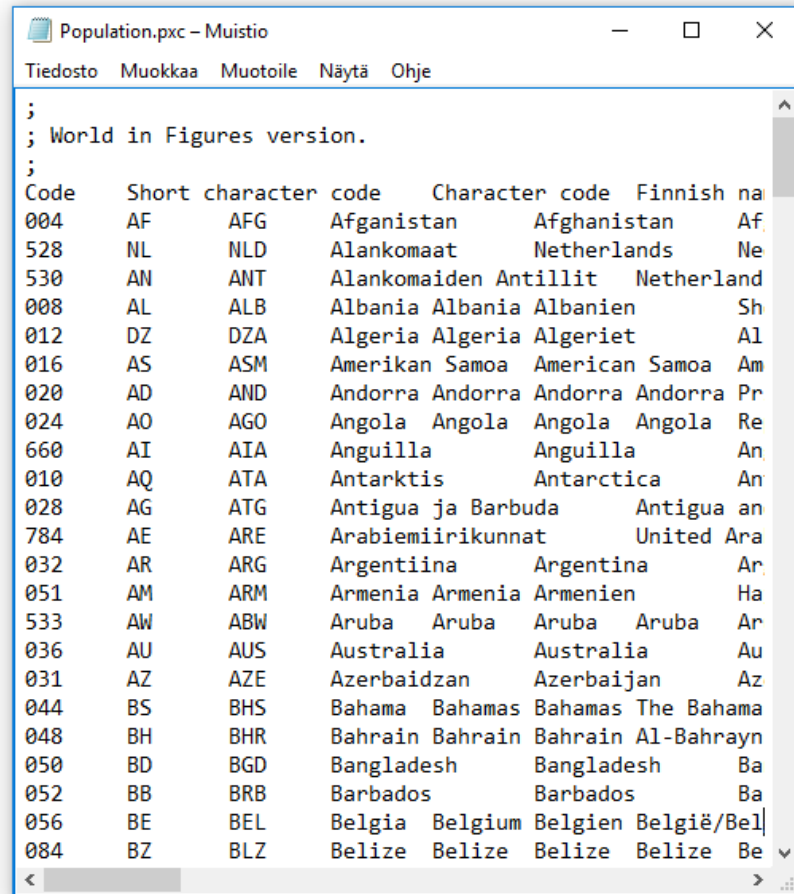
- Leading blanks to dots
  - change leading blanks to dots
- Leading dots to blanks
  - change leading dots to blanks
- Tabs to spaces
  - replace tab-characters to spaces
- Classify
  - standardize the value texts according to the codes
- **Save classification**
  - **save the selected values to a classification file (pxc)**
- 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



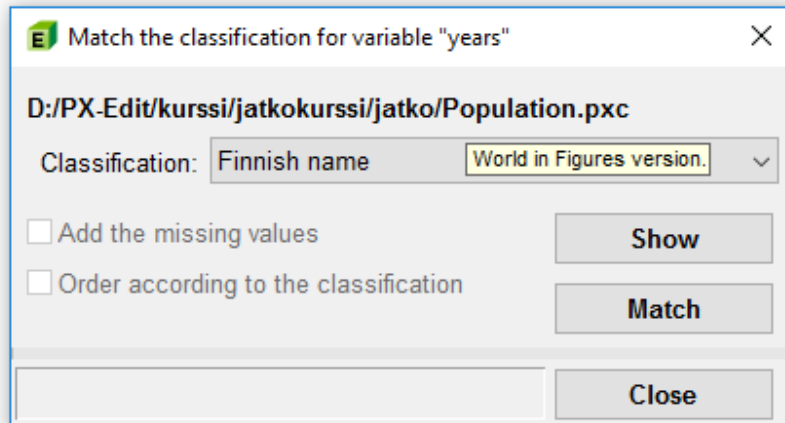
Population.pxc - Muistio

Tiedosto Muokkaa Muotoile Näytä Ohje

```
;
; World in Figures version.
;
Code      Short character code  Character code  Finnish na
004      AF      AFG      Afganistan    Afghanistan    Af
528      NL      NLD      Alankomaat    Netherlands    Ne
530      AN      ANT      Alankomaiden Antillit  Netherland
008      AL      ALB      Albania Albania Albanien    Sh
012      DZ      DZA      Algeria Algeria Algeriet    Al
016      AS      ASM      Amerikan Samoa American Samoa Am
020      AD      AND      Andorra Andorra Andorra Andorra Pr
024      AO      AGO      Angola Angola Angola Angola Re
660      AI      AIA      Anguilla Anguilla Anguilla An
010      AQ      ATA      Antarktis Antarkctica An
028      AG      ATG      Antigua ja Barbuda Antigua an
784      AE      ARE      Arabiemiirikunnat United Ara
032      AR      ARG      Argentiina Argentina Ar
051      AM      ARM      Armenia Armenia Armenien    Ha
533      AW      ABW      Aruba Aruba Aruba Aruba Ar
036      AU      AUS      Australia Australia Au
031      AZ      AZE      Azerbaidzan Azerbaijan Az
044      BS      BHS      Bahama Bahamas The Bahama
048      BH      BHR      Bahrain Bahrain Bahrain Al-Bahrayn
050      BD      BGD      Bangladesh Bangladesh Ba
052      BB      BRB      Barbados Barbados Ba
056      BE      BEL      Belgia Belgium Belgien België/Bel
084      BZ      BLZ      Belize Belize Belize Belize Be
```

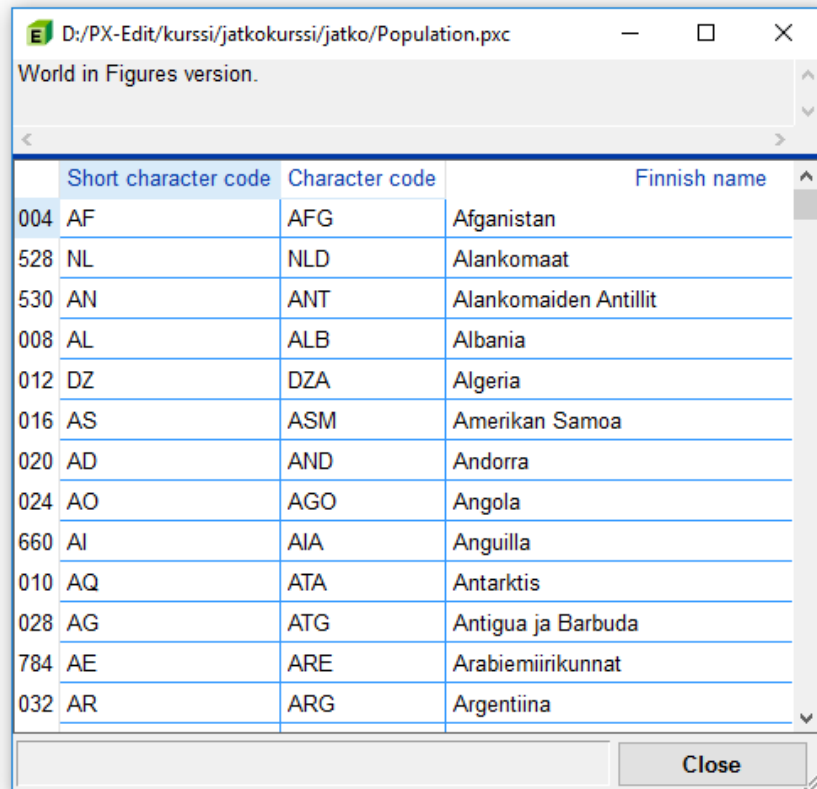
- File extension is pxc
- Every line is tab-delimited
- The first line contains column titles
- The first column contains the codes
- The next columns contain different classifications
- Comment lines start with a semicolon
  - shown in the classification window as hint bubbles

# 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



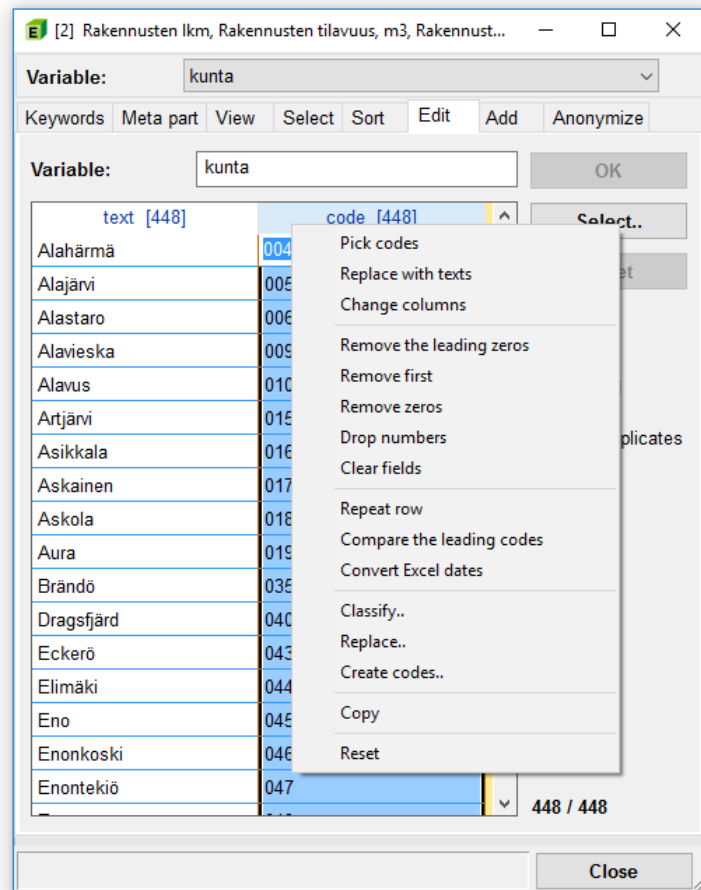
World in Figures version.

	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

Close

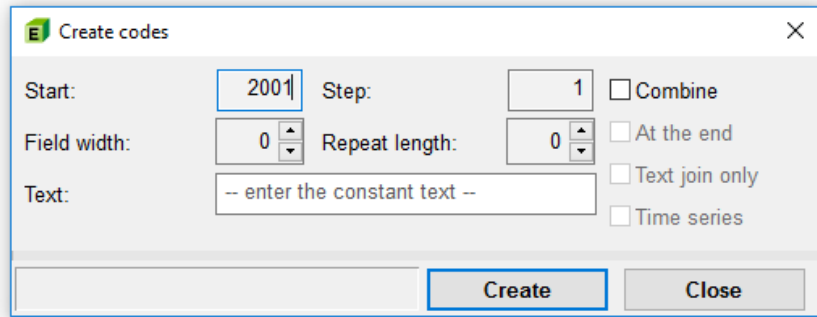
- The upper part shows any file comments
- The lower part shows the different classifications from the table
  - the column headers = the classification titles
  - the row headers = the codes

# 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: 2001 Step: 1 ☐ Combine

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

Text: -- enter the constant text -- ☐ 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

**[11] Retrospekt naselja za Karlovačku županiju**

Variable:  hr

Keywords Meta part View Select Sort Edit Add Anonymize

Variable:

text [772]	code [650]
Arapovac	000329
Badovinci	000639
Baići	000698
Bandino Selo	000841
Banija	027839
Banska Selnica	000981
Banski Kovačevac	000990
Banski Moravci	001007
Banjsko Selo	001104
Barilović	001309
Barkovići	075728
Bartolovići	065951
Basara	001449
Batnoga	001678
Beč	001732
Begovac	001864
Begovac	008117

☒ all  
☐ selected  
☐ repeated  
☐ Allow duplicates

**X**

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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

[14] Mean population, Birth rate and Death rate by Country,...

Variable: Country 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 v: Fill item: .. Calculator..

Falkland Islands  
Faroe Islands  
Fiji  
Finland  
France  
French Guiana  
French Polynesia  
French Southern Territories  
Gabon  
Gambia  
Georgia  
Germany  
Ghana  
Gibraltar  
Greece  
Greenland

Select..

☐ Codes  
☒ Selected

Remove

Fill

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**New variable**

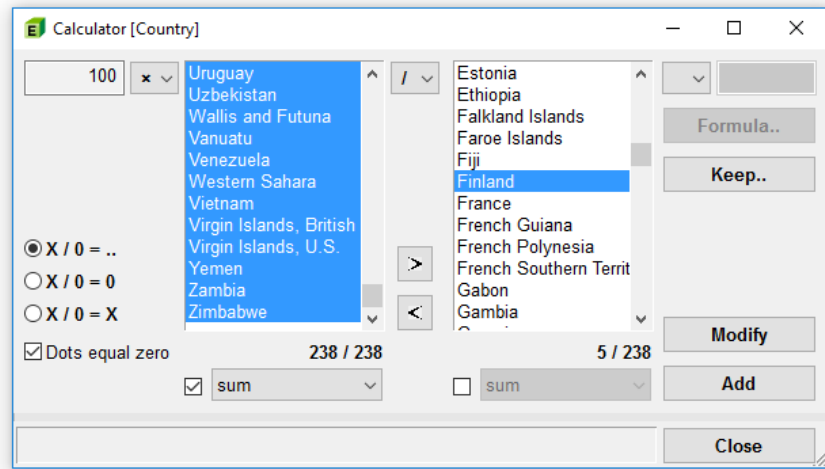
-- enter new variable -- Add

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

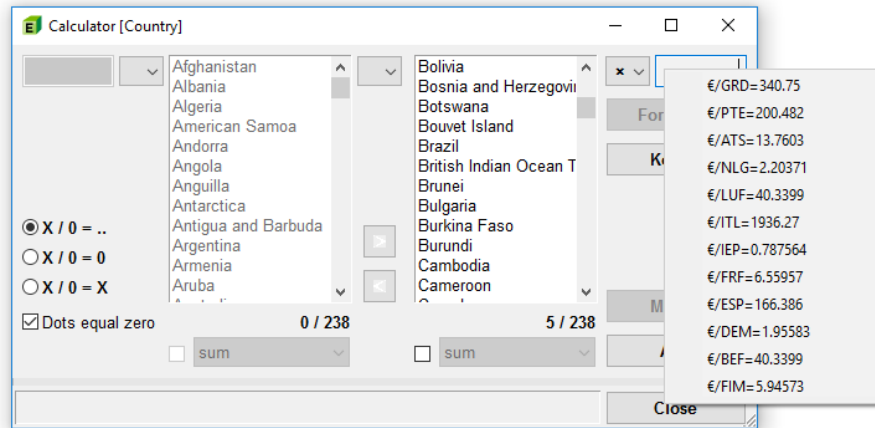
$\text{left}, \text{right}$  selected values or their sum

(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

Variable: DEJAVNOST

Keywords Meta part View Select Sort Edit Add Anonymize

A Intermediate goods industries  
AE Energy related industries  
AI Intermediate goods industries (except energy)  
**B Capital goods industries**  
C Consumer goods industries  
CD Durable consumer goods industries  
CN Non-durable consumer goods industries

Anonymize

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

Mask range: 0 0 Fill item: ..

Table mask

Table: Mask

Close

- 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

[2] Population 1 January

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: [3] Population table for mask 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

[2] Causes of death 1969-2009

File Edit Window Language

	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 PARASITIC DISEASES...	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) disease (B20-B24)	3	0	3	0
05 Other infectious and parasitic diseases (A00-A09, A2...	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, pharynx (C00-C...	178	0	85	93
07 Malignant neoplasm of oesophagus (C15)	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 anus (C20-C21)	361	0	99	262
11 Primary malignant neoplasm of liver (C22)	464	1	104	359
12 Malignant neoplasm of pancreas (C25)	948	0	243	705
13 Malignant neoplasm of larynx, trachea, lung (C32-C34)	2069	0	593	1476
14 Malignant melanoma of skin (C43)	177	0	55	122
15 Malignant neoplasm of breast (C50)	823	0	326	497
16 Malignant neoplasm of cervix uteri (C53)	54	0	25	29

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

The screenshot shows a software window titled "[2] Causes of death 1969-2009". The 'Variable:' dropdown is set to 'Age'. The 'Keywords' tab is active, showing a list of categories: 'Total', '0-14', '15-64', and '65-'. The 'Total' category is selected. To the right of the list is an 'Anonymize' button. Below the list, the 'Mask range:' is set to '0' and '1p'. The 'Table mask' section has a 'Table:' dropdown and a 'Mask' button. At the bottom right is a 'Close' button.

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

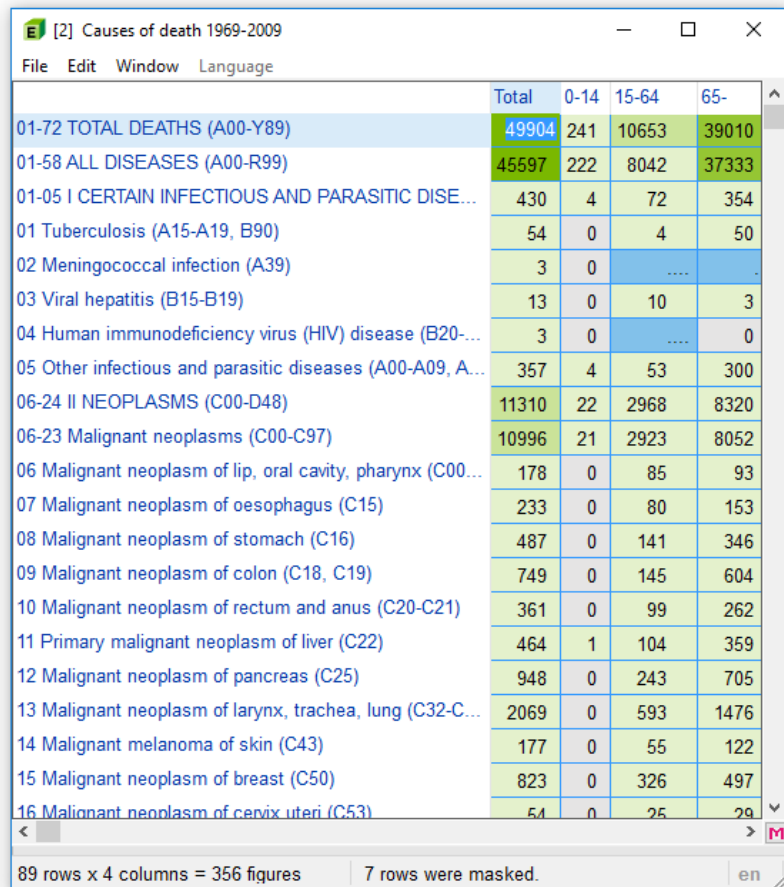
Mask range: 0 1p Fill item: ..

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



	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 PARASITIC DISE...	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) disease (B20-...	3	0	.....	0
05 Other infectious and parasitic diseases (A00-A09, A...	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, pharynx (C00...	178	0	85	93
07 Malignant neoplasm of oesophagus (C15)	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 anus (C20-C21)	361	0	99	262
11 Primary malignant neoplasm of liver (C22)	464	1	104	359
12 Malignant neoplasm of pancreas (C25)	948	0	243	705
13 Malignant neoplasm of larynx, trachea, lung (C32-C...	2069	0	593	1476
14 Malignant melanoma of skin (C43)	177	0	55	122
15 Malignant neoplasm of breast (C50)	823	0	326	497
16 Malignant neoplasm of cervix uteri (C53)	54	0	25	29

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