Statistics Finland

PX-Edit 3.2

Files

PX-Edit installation files

Crucial installation files

- `PX-Edit.exe`
  - application: core parts
- `PX-Edit_32.paq`
  - application: code package
- `Dyalog140rt_unicode.dll`
  - the APL interpreter as a runtime dll
  - used by all executables
- `PX-Edit_main_32.ini`
  - system settings
  - `PX-Edit_main_32e_ini.txt` file contains all the settings commented in English

Other installation files

- `PX-Edit_en.rtf` laconic help file (in English)
- `PC-Axis_en.rtf` PC-Axis format description (- “ -)
- `PX-Job.exe` batch application
- `XDF_32.ini` CoSSI/XML settings (not compulsory)
- `PX-Edit.bmp` startup picture (splash screen)
- `Zip.exe`, `Unzip.exe` *Info-Zip* files for archive handling
- `PX-Job_32.txt` detailed PX-Job documentation
- `PX-Edit_lng_en_32.ini` English language text strings
- extra language files, etc.

At startup

- After the application loads itself:
  - `px-edit_main_32.ini` is parsed
    - e.g. location of the personal ini file
  - personal configuration file is parsed
    - if the 3.2 ini file is not found, PX-Edit tries to read the 3.1 ini file
    - some interface checking (px file existence, PX-Map, Excel, environmental settings, …)
  - language files are parsed (if found)
  - the user interface is created
    - check for another PX-Edit session
    - record the log-in information in the log file
    - remove the splash screen

Configuration files

Main settings: `PX-Edit_main_32.ini`

- Administrative/organisational settings
- Usually created once and seldom changed
  - if it is not found, PX-Edit will start with default settings
- Default settings for a new user
- Resides in the startup directory
- There may be several different PX-Edit installations and setups in the organisation
- The file `PX-Edit_main_32e_ini.txt` contains accurate descriptions of the available settings

Main settings: [Language]

`default_language=`

- the default language code for the new user
  - if this setting is not found, PX-Edit will use the defined system language
- the available languages depend on the available language files

`base_language_coding={0|1}` [*Settings*|*Base language coding*]

- determines how the language strings are converted
- the default value `1` converts all the strings based on the system language, otherwise (`0`) the main language of the table is used

Main settings: [Fonts]

`default_font=`**`Arial`**

`txt_font=`**`Arial`** [*Settings*|*Font*]

`sys_font=`**`Arial`** [*Settings*|*Font*]

- default, text and system fonts, respectively

`default_size=`**`16`** [*Settings*|*Font*]

- font size settings

`htm_charset=`

- default character set for html output (default: `utf-8`)

Main settings: [Files]

`most_recently_used=25`

- the number of file names stored in the personal ini file as default

`last_nn=`
`last_px_nn=`
`lastcsv_nn=`
`lasttxt_nn=`
`lastxls_nn=`

- the names of the recently used files are stored in the personal ini file

Main settings: [System] /1

- The System settings are meant for organisation wide usage, and they are thus not copied into the personal ini file

```
px_edit_url_fi=www.stat.fi/tup/pcaxis/
lataus_tyokalut.html
px_edit_url_en=www.stat.fi/tup/pcaxis/
lataus_tyokalut_en.html
px_edit_url_sv=www.stat.fi/tup/pcaxis/
lataus_tyokalut_sv.html

pc_axis_url=www.scb.se/pc-axis
px_forum_url=http://groups.google.com/group/pcaxis
```

  - the homepages for PX-Edit (in three languages), PC-Axis and the discussion forum

Main settings: [System] /2

`edit_cells={0|1}`

- the value `0` prevents the user from editing the data table values

`px-web_version={2003|2005|2007|2008|2013}`

- the PX-Web version being used
- possible values are `2003`, `2005`, `2007`, `2008` and `2013`
- this affects the format of the keywords *DESCRIPTION* and *TITLE*, too

`caption_description={0|1}`

- the table caption style being used
- possible values are `0` (*TITLE*) or `1` (*DESCRIPTION*)

Main settings: [System] /3

`ini_directory=`

- directory used for personal configuration files
- every PX-Edit user should have read and write access
- the file names in the form *`username`*`.ini` (otherwise `px-edit.ini`)

`ini_default=`

- the configuration file which replaces the user's corresponding personal settings

`log_directory=`

- directory logging user actions (also error log files will be placed here)
- the PX-Edit user must have read and write access
- log files will be in the form `px-edit_`*`yyyy-mm`*`.log`

Main settings: [System] /4

`version_warning_file=`

- the file name or web link shown the first time a user starts a new version
- may be a text file (.txt), a RichText file (.rtf), a HTML file (.htm, .html) or a web link (http://…)

`message_file=`

- the file name or link shown when a user starts PX-Edit
- may be a text file, a RichText file, a HTML file or a web link

`check_valuelength_100={0|1}`

- should PX-Edit warn if any text value is longer than `100` characters

`check_title_semicolons={0|1}`

- should PX-Edit warn if any caption keyword contains semicolons

Main settings: [System] /5

`excel_notex={0|1}`

- if set, Excel comments will be moved to *NOTEX*, *VALUENOTEX* or *CELLNOTEX* keywords (instead of *NOTE* keywords)

`ISO_date={0|1}`

- will the dates be presented and saved in ISO format

`unicode_replace_char=_`

- character used when converting to WinANSI for those Unicode characters that cannot be converted

`convert_dashes={0|1}`

- if set, all the different dash characters (e.g. mdash and soft hyphen) will be converted to single dash

Main settings: [System] /6

`list_keyword=`

- defines the limited value list for specified keyword
- the prefix may be either `list_` or `listedit_`
  (allows both input field and selection list by double clicking the field)
- the supported table-specific keywords are
  - *AXIS-VERSION* (i.e. `list_AXIS-VERSION=`), *DATABASE*, *DOMAIN*, *INFOFILE*, *MAP*, *MATRIX*, *PX-SERVER*, *SOURCE*, *UNITS* and *VARIABLE-TYPE*

`hint_keyword=`

- description shown in the *Keywords* Tab for the specified keyword
- if the keyword is both table- and variable-specific, the variable-specific description text must be given in format `hint_keyword()=`
  (e.g. `hint_NOTE=` and `hint_NOTE()=`)

Main settings: [System] /7

`listedit_SUBJECT_AREA=`

`listedit_SUBJECT_CODE=`

- either `list_` or `listedit_`
- these lists work synchronously
- semicolon-separated list items have both code and area information separated with '='
- the *SUBJECT-CODE* list is not actually needed, it will be created using the corresponding *SUBJECT-AREA* list
- Example:

```
listedit_SUBJECT-AREA=Agriculture, Forestry and
Fishery=MAA;Construction=RAK;...
```

Main settings: [System] /8

`title_dynamic={0|1}`

- whether the *TITLE* keyword will be editable and static or write-protected and dynamic (resembling the PC-Axis behaviour)

`title_variables={0|1}`

- whether variables will be added to the table title when pressing the **Title** button in the *Keywords* Tab or not (depends on `title_dynamic`)

`read_TITLE=`

- the keyword(s) the table title will be copied to
- value may be `CONTENTS` or `DESCRIPTION` or `CONTENTS,DESCRIPTION`

`read_TITLEfirstword=`

- the keyword(s) the first word of the structured file header is read
- possible values: `CONTENTS`, `DESCRIPTION` or `MATRIX`

Main settings: [System] /9

keyword_table_1=*name*, *type*(, *format*)
keyword_variable_1=
keyword_value_1=

- **own** keyword definitions
- *type*: `text`, `numeric`, `date` or `list`
- *format*: `multi`, *length* or (*list of values*)
- example:

```
keyword_table_1=Footnote,text,multi
keyword_table_2=Birthday,date
keyword_table_3=Gender,list(woman,man)
keyword_table_4=Information,text,256
keyword_value_1=Level,numeric
```

Main settings: [System] /10

mandatory_keywords=

- keywords that are considered mandatory in addition to the px standard

hide_keyword_table=

hide_keyword_variable=

hide_keyword_value=

hide_keyword_cell=

- keywords that are hidden from the user
- if there is a keyword value, the keyword is shown normally
- Example:

```
hide_keyword_table=KEYS,CONFIDENTIAL,COPYRIGHT
```

Main settings: [System] /11

`ascii_conversion_type={0|1|2}`

- national character set conversion mode (e.g. in file name conversions)
- options: by letter (`0`: `äöüš` > `aoush`), of one-letter (`1`: `äöüš` > `aous`) or of German style (`2`: `äöüš` > `aeoeuesch`)

`ascii_filenames={0|1}`

- warn if file names have characters other than `a-z`, `A-Z`, `0-9`, `-` and underline character `_` (`1`) or not

`filename_in_lowercase={0|1}`

- automatically convert output file names to lowercase (`1`) or not

`domain_in_lowercase={0|1}`

- automatically convert *DOMAIN* contents to lowercase (`1`) or not

Main settings: [System] /12

`convert_to_xml={xdf|cals|keys}`

- the xml format to be used with the *Edit*|*Convert to XML* selection

`keys_check={0|1}`

- are the tables pre-checked for a sparse matrix save (`1`) or not

`rain_save_coloured={0|1}`

- are the charts saved with colours (`1`) or grey scaled

`timeval_2014={0|1}`

- if `px-web_version` is `2013`, the *TIMEVAL* keyword has to be formatted (slightly) against the documentation
- the possible values are `1` (long format with frequency codes) and `0` (standard behaviour)

Main settings: [System] /13

`datanotecells=`

- comma separated list of the text strings that may be used with *DATANOTECELL* settings
- strings should not include spaces or other special characters used in px files (such as quotes)
- leading or trailing spaces are approved
- the list is needed for reading structural tables when the *DATANOTECELL* strings are given with the corresponding figures
- strings may be enclosed with quotes

`datanote_parentheses={0|1}`

- cells enclosed with parentheses, brackets, curly or angle brackets are marked with corresponding *DATANOTECELL* setting (`1`) or not

Main settings: [System] /14

```
separator_attribute=|
separator_cellnote=!
separator_datanote=#
```

- cell related metadata can be printed in connection with cell data, using the defined separator characters when reading a structured table
- the separators may be set to any permitted character
  - they should not be the same
  - they should not be field separator characters
- strings containing special characters (such as spaces, commas or separators) should be enclosed in quotes

```
separator_variable=/
```

- the separator character or string to be used in variable combining for creating new value texts and codes

Main settings: [System] /15

`join_exact_match={0|1}`

- is the *Exact match* -switch in the *Join* window set as default (`1`) or not

`join_monolingual={0|1}`

- is the *Do not make a multilingual table* -switch in the *Join* window set as default (`1`) or not

`language_code=`

- the system interface preferred language code
- NB: this setting is not needed for normal installations

`read_entity_reference={0|1}`

- are the html references (of format `&#..;` or `&#x..;`) converted to the corresponding Unicode characters when reading px or text files (`1`) or not

Main settings: [System] /16

`sql_database=`

- the name of the database used within SQL macro files
- if set, PX-Edit will show corresponding *simplePXsql* functions in the interface menus

`sql_baseowner=..`

- the *databaseowner* syntax string that is used in the SQL database
- the default is two dots (`..`), but for example *MySQL* needs this to be set as one dot (`.`)

`sql_bulksave={0|1}`

- whether the SQL bulk saving is in use (`1`) or not

Main settings: [System] /17

`sql_datestamp=`**`Y-M-D h:m:00`**

- date and timestamp format for used SQL database
- the format consists of characters `YMD` (year, month and day), characters `hm` (hour and minute) and other characters which are in the template

`sql_endline=`

- character used at the end of the SQL statements
- the default is empty, but some installations may need for example a semicolon (`;`)

`skip_decimal_checking={`**`0`**`|1}`

- normally PX-Edit tries to simplify the decimal related keywords (`0`)
- this behaviour may be skipped (`1`), but some of the possible decimal errors may not be detected

Main settings: [System] /18

`skip_multiple_open={0|1}`

- whether PX-Edit warns if the user tries to open multiple sessions (`0`) or not (`1`)

`remove_default_settings={0|1}`

- whether the default keyword expressions are to be removed from the table metadata (`1`) or not (`0`)
- the following keywords with value `NO` would be removed: *AUTOPEN*, *COPYRIGHT*, *DAYADJ*, *DESCRIPTIONDEFAULT*, *DOUBLECOLUMN* and *SEASADJ*, as well as `YES` for *AGGREGALLOWED*

`remove_keywords=`

- a comma-separated list of the keywords that will be removed from the table (e.g. non-used or obsolete keywords)
- use with caution!

Main settings: [Misc] /1

`file_warnsize=10`

- warning trigger size (MB) when opening a px file

`htm_warnsize=1024 128`

- warning table limit (rows x columns) for HTML output

`table_warnsize=50000000`

- warning trigger size (number of figures) when closing a table

`xml_warnsize=1024 128`

- warning table limit (rows x columns) for XML output

Main settings: [Misc] /2

`allow_duplicates={0|1}`

- may the user use and save duplicated value texts or codes (`1`) or not

`anchor_input={0|1}` [*Settings*|*Anchor input*]

- do the *Keyword* popup edit boxes remember their previous position (`1`) or not

`warn_own_lists={0|1}`

- does PX-Edit warn when the values differ from the own value lists (`1`) or not

Main settings: [Misc] /3

`use_dotcodesum={0|1}` [*Settings*|*Dot code sum*]

- use the dot code sum value (`1`) or not in calculations

`user_log={0|1}`

- whether a user-specific error and warning log is in use (`1`) or not
- the user log file is in the same directory as the personal ini file
- if there is `ini_directory` setting, the name will be *`username_yyyy-mm`*`.log`, otherwise `px-edit_`*`yyyy-mm`*`.log`

`user_level={1|2|3}` [*Settings*|*User level*]

- the current user level: basic (`1`), advanced (`2`) or expert (`3`)

Main settings: [Misc] /4

`fill_item=..` [*Settings*|*Fill item*]

- the default *Fill Item*

`dash_replace=..` [*Settings*|*Replace dash*]

- value used to replace a dash in the input file or Excel table

`keys_fill={0|1}` [*Settings*|*Sparse matrix fill*]

- will the current *Fill Item* be used when decompressing sparse matrices (`1`) opposing the standard px behaviour or not

`join_metacopy={0|1|2}`

- the default setting for copying the metadata in table joining: all metadata (`2`), only the missing metadata (`1`) or just the needed metadata (`0`)

Main settings: [Misc] /5

`all_headers={0|1}` [*Settings*|*Headers*]

- whether all (`1`) or hierarchical headers are shown in the table

`text_headers={0|1|2}` [*Settings*|*Headers*]

- value header setting: either texts (`1`), codes (`0`) or both (`2`)

`colour_codes={0|1}`

- use background colours in the table fields or not (`0`)

`rain_save_coloured={0|1}`

- are the charts saved in colours or using shades of grey (`0`)

`hide_valueless_keywords={0|1}`

- hide the non-mandatory empty keywords (`1`) or not

Main settings: [Misc] /6

`filename_length=50`

- the warning length of file name length

`filename_in_lowercase={0|1}` [*Settings*|*Lowercase filenames*]

- are the output file names converted to lowercase (`1`) or not

`keep_filedate={0|1}` [*Settings*|*Keep file date*]

- do not change the file update timestamp when saving (`1`) or not

`sql_saving={0|1|2|3}` [*Settings*|*SQL saving*]

- the preferred *simplePXsql* saving format: meta part only (`1`), data part only (`2`), both meta and data part (`0`) or data part in csv format (`3`)

Main settings: [Misc] /7

`adjust_decimals={0|1}` [*Settings*|*Decimal precision*]

- format the output files according to *DECIMALS* (`0`) or *SHOWDECIMALS* and *PRECISION* keywords (`1`), does not affect px, xdf or xml/keys, though

`cals_decimal_separator={.|,}` [*Settings*|*XML/Cals saving*]

- the decimal separator for xml/cals output

`cals_thousand_separator={0|1|2|3}` [*Settings*|*XML/Cals saving*]

- the thousand separator for xml/cals output: either none (`0`), space (`1`), comma (or period, depends on decimal separator) (`2`) or quote (`3`)

`unicode_saving={0|1}` [*Settings*|*Save in Unicode*]

- is the Unicode option the first (`1`) or not in the saving alternatives

`unicode_select={0|1}`

- is the Unicode format the default for Meta part window (`1`) or not

Main settings: [Misc] /8

`cellcomments={0|1}` [*Settings*|*Cellnotes*]

- are the Excel cell comments copied as px keywords and vice versa or not (`0`)

`column_widths={0|1}` [*Settings*|*Column widths*]

- are the table columns automatically adjusted or not (`0`)

`show_notex={0|1}` [*Settings*|*Show the mandatory footnotes*]

- are the mandatory footnotes (*NOTEX*, *VALUENOTEX* or *CELLNOTEX*) shown in a separate window (`1`) or not

`footnotes={0|1}` [*Settings*|*Footnotes*]

- are the footnotes included in the Excel output (`1`) or not

Main settings: [Defaults]

```
CHARSET=ANSI
SOURCE[en]=Statistics Finland
COPYRIGHT=YES
```

…

- table-specific keyword settings
- used when the keyword fields are empty and the **Defaults** button is pressed in the *Keywords* Tab

`hourminute=09:00`

- additionally the update timestamp may be given as `hh:mm`
- if the value is set as `25:00`, the timestamps will not contain hour and minute part (missing them is not regarded as an error)

Main settings: [Constants]

```
1=€/FIM=5.94573
2=€/BEF=40.3399
3=€/DEM=1.95583
4=€/ESP=166.386
5=€/FRF=6.55957
```

…

- constant values used in the *Calculator* input fields
- the format:

  `consecutive integer=Name=numeric value`

Main settings: [Dot_codes]

```
dot1=.
dot2=..
dot3=...
dot4=....
dot5=.....
dot6=......
dotsum=.......
dotnil=-
```

- the replacements for the standard dot codes
- will be accepted as valid dot codes during table input
- the internal code will always stay intact
- the settings will be overridden by the corresponding *DATASYMBOL* keywords

Main settings: [XDF]

```
first_name=
surname=
email=
```

- placeholders for personal CoSSI/XML settings
- organisational settings are stored in the `XDF_32.ini` file

Language coding settings: [Language_codes] /1

`languages_main=`

- the most often needed language codes in comma-separated list
- the list may contain the language names, e.g.
  `languages_main=fi suomi,sv ruotsi,en englanti`
  works nicely in Statistics Finland

`languages_usual=`

- list of the languages which are used every now and then

`languages_occasional=`

`languages_rare=`

- list of other, perhaps unused, languages
- these two groups need not be edited

Language coding settings: [Language_codes] /2

`long_language_codes=`

- if the long language codes (e.g. bs-Latn-ba, Bosnian Latin) are needed, this setting adds them to the lists
- adding long language codes in `languages_main` list works as well

`set_default_codepage={0|1}`

- will the *CODEPAGE* keyword be set according to the main language or not (`0`)

Personal settings: `PX-Edit_32.ini`

- For personalised settings
- Overrides the system settings
  - changed settings will be saved when closing the session
- The description of the other saved information can be found in the file `PX-Edit_main_32e_ini.txt`
- The user may change the settings manually or delete the file (in which case the `ini_default` setting will be used)
- Located either in the Windows system directory or in the directory defined with the `ini_directory` setting
  - in the latter case, the file name will be *`username`*`.ini`

CoSSI/XML settings: XDF_32.ini

```
first_name=, surname=, email=, …
languages=fi,sv,en
```

- personal settings and the language codes in use

```
fi_orgname=Tilastokeskus
fi_orgphone=+358-29-551 1000
fi_orgwww=www.tilastokeskus.fi
…
```

- organisational settings

```
doctype_xdf=-//COSSI//DTD STATINFO_XDF 1.0//EN
doctype_cals=-//COSSI//DTD STATINFO_CALS 1.0//EN
doctype_keys=-//COSSI//DTD STATINFO_KEYS 1.0//EN
```

- the document types for all formats

Language files

Language files: `PX-Edit_lng_xx_32.ini`

- Language texts for the PX-Edit user interface
- File names are based on language codes
  - e.g. `px-edit_lng_sl_32.ini`

`language=English`

  - the language name that will be in the *View/Language* menu

```
foot_baseperiod=Base period
foot_contact=Contact
```

  …

  - footnote headers (taken from the PC-Axis `pcaxisxx.txt` file)

Language files: alphabet

```
alphabet=0123456789(AÄÀÁÃ)(aäàáâã)Bb(CÇ)(cç)Dd(EÈÉÊË)
(eèéêë)FfGgHh(IÌÍÎÏ)(iìíîï)JjKkLlMm(NÑ)(nñ)(OÖÒÓÔ)(oöòóô)Pp
QqRr(SŠ)(sšß)Tt(UÜÙÚÛ)(uüùúû)VvWwXx(YÝ)(yýÿ)(ZŽ)(zž)
```

- used for alphabetical sorting
- may be different in every language
  - e.g. `Ä` is treated differently in English, German or Finnish
- in the example above:
  - `A` and `À` come before `a` (and `B`, ..)
  - `A` comes before `À`
- NB: space always comes first

Language files: help

`helpfile=`**`PX-Edit_en.rtf`**

- English PX-Edit help file
- located in the startup directory

`infofile=`**`PC-Axis_en.rtf`**

- English PC-Axis help file

`feedback=`**`www.stat.fi/comment`**

- PX-Edit feedback site

Language files: language strings

```
main_menu_file=File
main_menu_file_new=New..>>Ctrl+N;create a new PC-Axis table
    ...
```

- the language strings are denoted by *meta_key=string* pairs
- several files can be used for the same language when needed
  - the figures 0 to 9 can be used after the language code
- all language files should have the same meta keys

Language files: special notations

- The following special notation strings can be used:

`;`	separates a control name and its hint text
`&`	precedes a character to be underlined
	indicates the shortcut **Alt**+*character*
`|`	separates lists
`#`	separates lines
`>>`	will be replaced with the tab character
`<<`	joins a line with the preceding line
`%1,%2,..`	will be replaced with a parameter (file or table names, etc.)

Other PX-Edit files

Classification files (.pxc)

- The file consists of records (lines) delimited by tabs
- The first line contains column titles
- The first column contains the codes (no title needed)
  - the following columns optionally contain the different versions
- Comment lines are allowed
  - they begin with a semicolon (`;`)

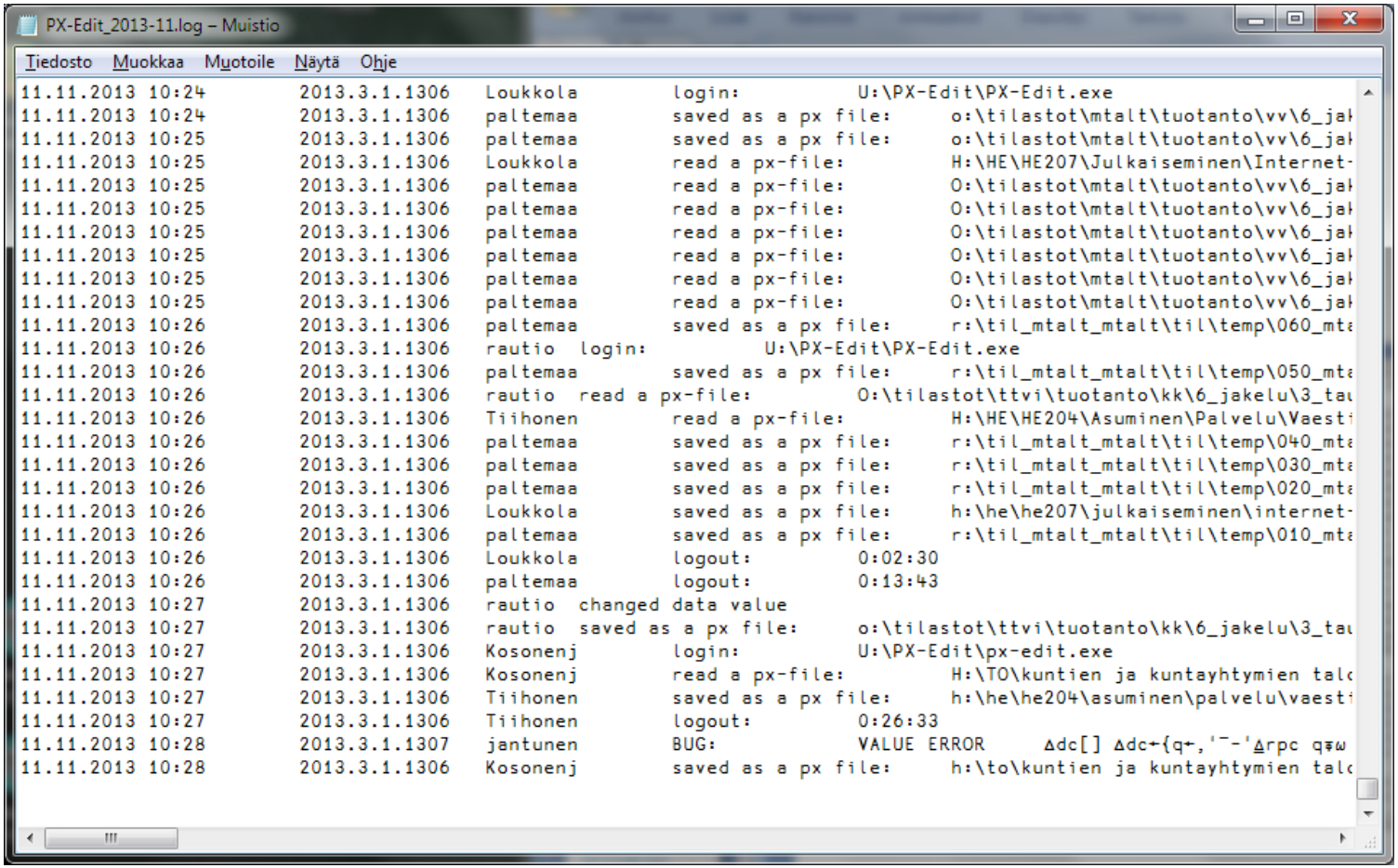
Example classification file

Kieli_ISO_639-1_fi_sv_en.pxc – Muistio

Tiedosto Muokkaa Muotoile Näytä Ohje

```
;Päivitetty:    20.3.2013       Tekijä: Erja Ahokas
;Luokituskanta: kieli_15_02_12 (koodit ja nimikkeet)
;Kuvaus:                ISO-639-1 kieliluokitus koodin mukaisessa järjestyksessä
;               lopussa lisäksi koodit 00=Kielet yhteensä 01=Vieraskieliset yhteensä 98=Muut kielet 99=Tuntematon
;               käytetty väestöaineistossa - valitse täsmää - EI saa valita luokituksen mukainen järjestys
;               lajiteltava kielen vaihtamisen jälkeen nimike aakkosjärjestykseen
;               Vieraskieliset yhteensä jälkeen -> Muut kielet asti
;               Kielet sisennetty kolmella pisteellä
;Muutokset:     Muutettu saamenkielen (se) englanninkielinen nimi ->Sami
;Kieliversiot:  suomi, ruotsi, englanti
;
Koodi   Nimike (fi)     Nimike (sv)     Nimike (en)
aa      …afar   …afar   …Afar
ab      …abhaasi        …abchaziska     …Abkhazian
ae      …avesta …avestiska      …Avestan
af      …afrikaans      …afrikaans      …Afrikaans
ak      …akan   …akan   …Akan
am      …amhara …amhariska      …Amharic
ar      …arabia …arabiska       …Arabic
as      …assami …assamesiska    …Assamese
av      …avaari …avariskt språk …Avar, Avarish
ay      …aimara …aymará …Aymara
az      …azeri  …azerbajdzjanska        …Azerbaijani
ba      …baškiiri       …basjkiriska    …Bashkir
be      …valkovenäjä    …vitryska       …Byelorussian
bg      …bulgaria       …bulgariska     …Bulgarian
bh      …bihari …bihari …Bihari
bi      …bislama        …bislama        …Bislama
bm      …bambara        …bambara        …Bambara
bn      …bengali        …bengali        …Bengali
bo      …tiibet …tibetanska     …Tibetan
```

Example log file


PX-Edit_2013-11.log – Muistio

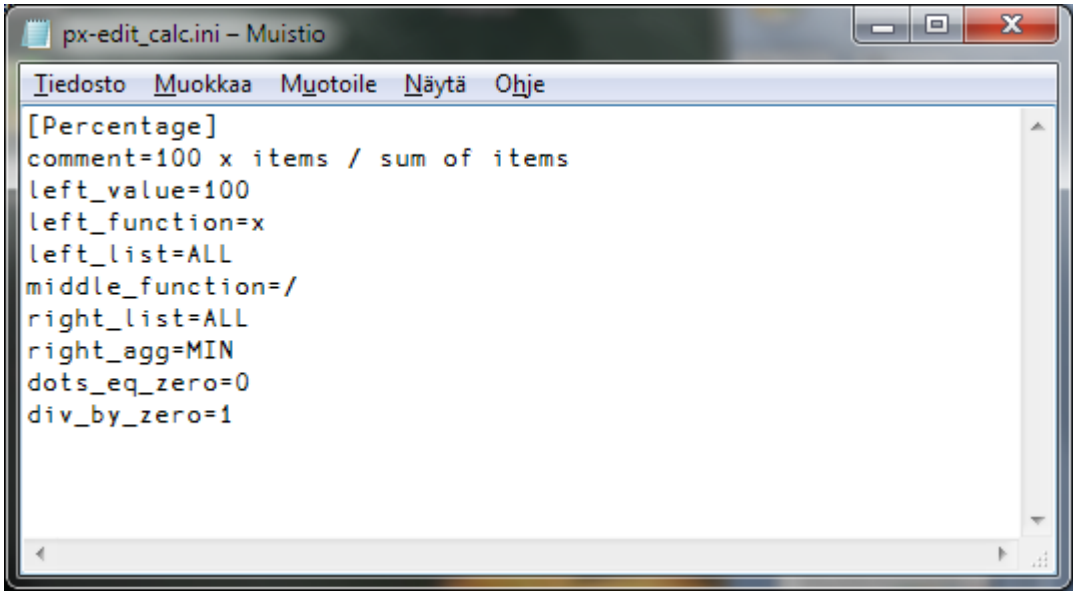
Tiedosto Muokkaa Muotoile Näytä Ohje

```
11.11.2013 10:24        2013.3.1.1306   Loukkola        login:          U:\PX-Edit\PX-Edit.exe
11.11.2013 10:24        2013.3.1.1306   paltemaa        saved as a px file:     o:\tilastot\mtalt\tuotanto\vv\6_jak
11.11.2013 10:25        2013.3.1.1306   paltemaa        saved as a px file:     o:\tilastot\mtalt\tuotanto\vv\6_jak
11.11.2013 10:25        2013.3.1.1306   Loukkola        read a px-file:         H:\HE\HE207\Julkaiseminen\Internet-
11.11.2013 10:25        2013.3.1.1306   paltemaa        read a px-file:         O:\tilastot\mtalt\tuotanto\vv\6_jak
11.11.2013 10:25        2013.3.1.1306   paltemaa        read a px-file:         O:\tilastot\mtalt\tuotanto\vv\6_jak
11.11.2013 10:25        2013.3.1.1306   paltemaa        read a px-file:         O:\tilastot\mtalt\tuotanto\vv\6_jak
11.11.2013 10:25        2013.3.1.1306   paltemaa        read a px-file:         O:\tilastot\mtalt\tuotanto\vv\6_jak
11.11.2013 10:25        2013.3.1.1306   paltemaa        read a px-file:         O:\tilastot\mtalt\tuotanto\vv\6_jak
11.11.2013 10:26        2013.3.1.1306   paltemaa        saved as a px file:     r:\til_mtalt_mtalt\til\temp\060_mta
11.11.2013 10:26        2013.3.1.1306   rautio  login:          U:\PX-Edit\PX-Edit.exe
11.11.2013 10:26        2013.3.1.1306   paltemaa        saved as a px file:     r:\til_mtalt_mtalt\til\temp\050_mta
11.11.2013 10:26        2013.3.1.1306   rautio  read a px-file:         O:\tilastot\ttvi\tuotanto\kk\6_jakelu\3_tau
11.11.2013 10:26        2013.3.1.1306   Tiihonen        read a px-file:         H:\HE\HE204\Asuminen\Palvelu\Vaesti
11.11.2013 10:26        2013.3.1.1306   paltemaa        saved as a px file:     r:\til_mtalt_mtalt\til\temp\040_mta
11.11.2013 10:26        2013.3.1.1306   paltemaa        saved as a px file:     r:\til_mtalt_mtalt\til\temp\030_mta
11.11.2013 10:26        2013.3.1.1306   paltemaa        saved as a px file:     r:\til_mtalt_mtalt\til\temp\020_mta
11.11.2013 10:26        2013.3.1.1306   Loukkola        saved as a px file:     h:\he\he207\julkaiseminen\internet-
11.11.2013 10:26        2013.3.1.1306   paltemaa        saved as a px file:     r:\til_mtalt_mtalt\til\temp\010_mta
11.11.2013 10:26        2013.3.1.1306   Loukkola        logout:         0:02:30
11.11.2013 10:26        2013.3.1.1306   paltemaa        logout:         0:13:43
11.11.2013 10:27        2013.3.1.1306   rautio  changed data value
11.11.2013 10:27        2013.3.1.1306   rautio  saved as a px file:     o:\tilastot\ttvi\tuotanto\kk\6_jakelu\3_tau
11.11.2013 10:27        2013.3.1.1306   Kosonenj        login:          U:\PX-Edit\px-edit.exe
11.11.2013 10:27        2013.3.1.1306   Kosonenj        read a px-file:         H:\TO\kuntien ja kuntayhtymien talo
11.11.2013 10:27        2013.3.1.1306   Tiihonen        saved as a px file:     h:\he\he204\asuminen\palvelu\vaesti
11.11.2013 10:27        2013.3.1.1306   Tiihonen        logout:         0:26:33
11.11.2013 10:28        2013.3.1.1307   jantunen        BUG:            VALUE ERROR     Δdc[] Δdc←{q←,'¯-'⍙rpc q∓ω
11.11.2013 10:28        2013.3.1.1306   Kosonenj        saved as a px file:     h:\to\kuntien ja kuntayhtymien talo
```

Formula file: `PX-Edit_calc.ini`

- A normal ini file
  - formula names = `section` names
- Saved formula elements are:
  - constants
  - functions
  - aggregations
  - dot code behaviour and division
  - selections (all or any)

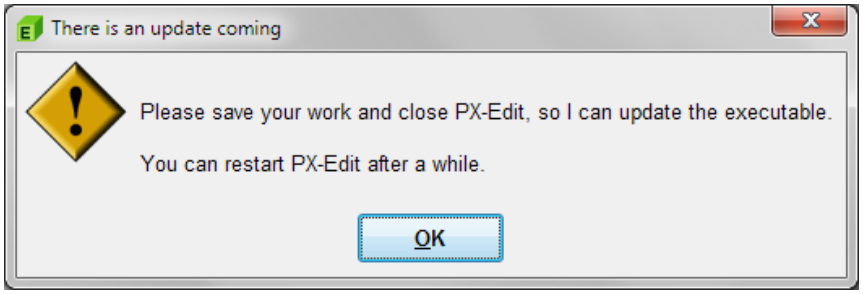
Example formula file:



PX-Edit application updates

- The application code has been divided into three parts:
  - `PX-Edit.exe` core + loader
  - `dyalog140rt_unicode.dll` interpreter
  - `PX_Edit_32.paq` application package
- Replacing the `paq` file is enough if there is no need to replace the executable or dll
  - can be done when there are users logged in
  - other application files (e.g. language files) may also be replaced

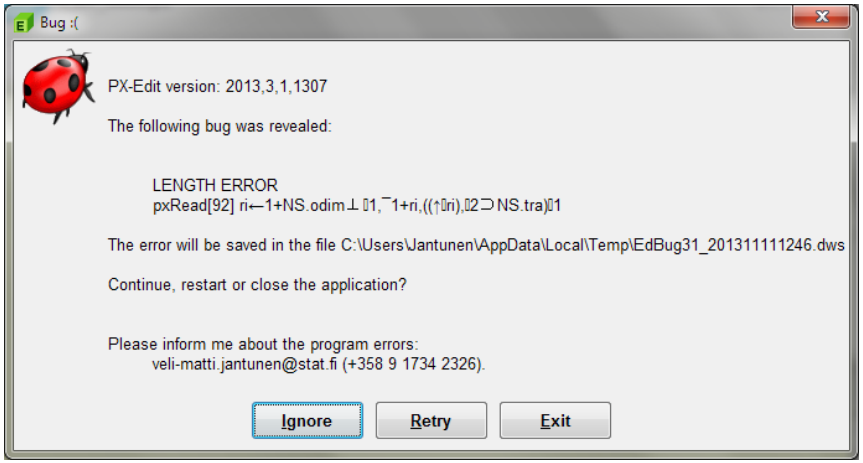
Update warning: `px-edit.update`



- Copying a new `PX-Edit.exe` or `dyalog140rt_unicode.dll` is not possible if there are users keeping the application open

- PX-Edit watches the system directory for the file `px-edit.update`
  - if this file exists, users are warned (within a minute) with this message
  - users will see the standard message if the file is empty
  - the message will pop up until the user logs off (or the file is removed)

Programming error: dump files



- This is the programmer's fault ☹
  - an error dump file will be saved in the log (or temp) directory as `EdBug32_timestamp.dws`
- The **Ignore** button is meant only for saving work in process (if possible)
- Recommendation:
  - save with a different name,
  - close PX-Edit,
  - report the bug (with the `dws` file)