Screen IT – MANUAL

The 'Help' button is also explaining the way the program is working

The first step in Screen IT is to browse your files:

The text file consists of the records you want to screen. They have to be in a special format. This means that they HAVE TO HAVE tags, so a special structure. These tags will be analysed by the program. In the CSZG, Endnote was used to create a tagged .txt file. It should look like this:

```
TY  - JOUR
AB  - OBJECTIVE: To evaluate the efficacy of a home-based exercise programme added to usual medical care for the treatment of depression. DESIGN:
Prospective, two group parallel, randomised controlled study. SETTING: Community-based. PATIENTS: 200 adults aged 50 years or older deemed to be currently
suffering from a clinical depressive illness and under the care of a general practitioner. INTERVENTIONS: Participants were randomly allocated to either
usual medical care alone (control) or usual medical care plus physical activity (intervention). The intervention consisted of a 12-week home-based programme
to promote physical activity at a level that meets recently published guidelines for exercise in people aged 65 years or over. MAIN OUTCOME MEASUREMENTS:
Severity of depression was measured with the structured interview guide for the Montgomery-Asberg Depression Rating Scale (SIGMA), and depression status was
assessed with the Structured Clinical Interview for DSM-IV Axis I Disorders (SCID-I). RESULTS: Remission of depressive illness was similar in both the usual
care (59%) and exercise groups (63%; OR = 1.18, 95% CI 0.61 to 2.30) at the end of the 12-week intervention, and again at the 52-week follow-up (67% vs 68%)
(OR=1.07, 95% CI 0.56 to 2.02). There was no change in objective measures of fitness over the 12-week intervention among the exercise group. CONCLUSIONS:
This home-based physical activity intervention failed to enhance fitness and did not ameliorate depressive symptoms in older adults, possibly due to a lack
of ongoing supervision to ensure compliance and optimal engagement.
AN  - 2012445402
AU  - Pfaff, Jon J.
AU  - Alfonso, Helman
AU  - Newton, Robert U.
AU  - Sim, Moira
AU  - Flicker, Leon
AU  - Almeida, Osvaldo P.
M1  - 3
N1  - Using Smart Source Parsing
Feb
PY  - 2014
SN  - 0306-3674
SP  - 226-32
ST  - ACTIVEDEP: a randomised, controlled trial of a home-based exercise intervention to alleviate depression in middle-aged and older adults
T2  - British Journal of Sports Medicine
TI  - ACTIVEDEP: a randomised, controlled trial of a home-based exercise intervention to alleviate depression in middle-aged and older adults
VL  - 48
ID  - 22
ER  -
```

The second 'browse' is for browsing a place where you want to save the created files. So you can just use any place you like.

The third 'browse' is for the keyword list. This list contains all the keywords you have added so far. The keywords are the words you maybe want to search for in the records. If you have not created one yet, there is an example keyword list in the .zip file of the application. You can just use this file for the first time and change it then in the program. This is the best idea because there is a special structure in the way the keywords are in the list. This can be seen in the following screenshot:

```
A:Psychotic=TI (+5)
A:*izo=J2 (+5)
A:*izo=T2 (+5)
A:*izo*=TI (+5)
B:Affect=TI (+5)
B:Blind=AB (+3)
B:Blind=TI (+5)
B:Clinic*=TI (+3)
B:*Control*=AB (+4)
B:Controlled=TI (+5)
B:Cross-Over=AB (+4)
B:Cross-Over=TI (+5)
B:*Cross Over*=AB (+4)
B:Cross Over=TI (+5)
B:*Non Random=AB (-5)
B:Non Random=TI (-5)
B:Not Random*=AB (-5)
B:Placebo=AB (+3)
```

The first part is showing the category, so either A or B. A is e.g. for content related words like 'schizophrenia'. B is e.g. for methodical words like 'trial' or 'random'. After the colon there is the word or phrase. It is possible to add phrase up to two words. It does not matter if they are written in capital of small letters. It is also possible to add concatenation cases. Without anything, just the word is searched. With a star in the beginning, all words ending with the word after the star and the word itself will be detected. With a star in the end, all words beginning with the word and the word itself will be detected. With stars at the end and at the beginning, the word itself, all words beginning with the word and ending with the word will be detected. So if the word is somewhere, somehow in text, it will be detected then. It is the same for phrases, but IT IS NOT POSSIBLE to add the stars between the words.

So also only at the end and the beginning. After that there is the tag in which the program will look for it. It is possible to look for the same word in different tags, and to look for all of the cases in one tag. In the in the brackets, the score is written. It can be from -5 to +5.

After that, the user has to enter the tags he wants to search for. They have to be the same as in the .txt file. It is possible to insert up to 8 different tags and to search for them. It is only necessary to enter the characters! The program will automatically add ' -' to the inserted tags.

Step 3 is to insert some scores. They define whether a record will be saved in the relevant, irrelevant or suspicious file. It will be saved in relevant, if the score is higher or equal than the score which is entered here, FOR BOTH CATEGORIES! If the score for both categories is 0 or lower than that or the total score of both of them is lower than the total score entered, the record will go the irrelevant file. Elsewise, it will be saved in suspicious. This means e.g. if the score for category A is higher than the score the user has entered but the score for category B is lower than that but higher than 0.

The next step is to enter the End-Tag, so the tag which is always the last one in the .txt file of the records, so the file the user chose for the first browse.

Step 5 is to press on the load button, which will load the keywords into the list, in an alphabetical order.

IMPORTANT: after loading the list, it is not possible to change or add any tags! This is because the words are loaded in variables depending on the tags. There is always a message remind on that if the load button is pressed.

Now it is possible to choose keywords through pressing the 'choose' button. Then the words will occur in the right list as well. It is also possible to select all or some, so it is not necessary to select the words word by word. The words and phrases can also be deleted through the button directly under the list. Also a new word or phrase can be added. Therefore there are

four text fields which need to be filled out. After pressing 'add', the word or phrase will be added to the left list, directly in the right format.

Once all words and phrases are chosen, the last step is to select whether a statistic file shall be created or not, and whether files shall be opened directly after the screening process is finished.

The statistic file contains the scores of each record and an overview at the end about the quantity of the relevant, irrelevant and suspicious records.

After checking the boxes and pressing run, the screening will begin and a loading bar will occur. This shows how many records will be screened and how many already have been screened.

NOTE: it is not possible to end the screening once you pressed run! The loading bar will not close and it may happen that the program will get back. The last point is normal for Java programs. It will change again after the screening is finished.

After the screening is finished, the files may open or not, depending on the choices the user checked. After exit, the keyword list will be saved.