Keyword search term bot for LEC working group meta-analysis

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Overview

Instructions for running the keyword search term bot for the LEC working group literature results.

The bot reads a .txt file containing literature entries resulting from a keyword search term query similar to a Web of Science database search.

It then converts this file into a readable .csv file with each row as a different paper.

Using user-defined keyword search terms, it then scrapes the .csv file and returns a new file saved to the user's local hard drive with the final entries containing those search terms. Users can define what part of the paper they want to search, e.g. Title, Author, Abstract, etc.

Step-by-step instructions are given below.

Enter your search terms

Open the **search_term_inputs.txt** file with a standard text editor and type in the following information.

First line

Your working directory where this document and the associated files are located.
E.g. `/User/documents/models`

Second line

Your search terms, *separated by a comma.* Spaces and lower/upper cases are OK too.

For example, if you want to search for the following terms:

evidence
human
africa

You would type in the following:

`evidence, human, africa`

Third line

The data entry you want to run the keyword search terms on from the below list. Note, case sensitive.

Primary entries:
Abstract
Author
Title
Year

Other possible entries:
BCI
CorrAuthor
ISSN
Issue
Journal
Link
Pages
PubDate
Volume

Fourth line (optional)

You can also enter what data you want to isolate from the final results to save as a separate file. For example, if you want to know just the *year* in which the selected papers were published, type in *Year*. Otherwise, leave blank.

The final **search_term_inputs.txt** file should look something like this (when including the fourth line):

```
/User/documents/models
evidence, human, africa
Title
Year
```

After you've finished, save the file.

Run the bot

Now open and run the **lec_keyword_search.R** file in R. The following outputs will be saved to the directory you specified in step 1.

keyword_final.csv
keyword_final_isolated.csv

End document