**READ ME coding notes**

Instructions:

1. [New code](file:///L:/IR/_IS/Learning%20&%20Dev/Coding%20group/Current%20projects/Cochrane%20to%20CRD/CochraneCRD.R) to translate Cochrane search strategies into CRD. At the moment you will need to amend the combination lines and any limit lines you have used in Cochrane. A block of line numbers of #1-#200 have been saved in the [coding OneNote](onenote:#Cochrane%20to%20CRD&section-id={C9606020-4C9C-4590-B270-1E38EE01DDFB}&page-id={49D25C0D-DC30-49A8-B7B5-1D9BA2DE9795}&end&base-path=L:\IR\_IS\Learning%20&%20Dev\Coding%20group\Coding%20group%20notes\Ongoing%20projects.one).
2. Import using the saved text file strategy from Cochrane. I'd recommend saving it as 'Cochrane'. Otherwise, you will need to change line 5 of the code to reflect the name of your saved strategy.
3. Paste the code into your posit/R Cloud
4. Run the code. The translated code will then appear in your folder.
5. Go to 'My details' in CRD, then My saved searches, select Import search
6. Paste the translated strategy into CRD, make any necessary amendments e.g. combination lines will need to be expanded. And limit lines removed.
7. When you run your search, you can then apply limits e.g. to database and by date etc.
8. The import/Export function is a revelation – if you notice a mistake in your CRD strategy and you have saved it, you can change it quite easily without having to repeat everything!
9. Go to 'My details', then saved searched and then select the search
10. Export the search strategy, amend the offending line and save it.
11. Import the amended strategy back into CRD.

library(tidyverse)

library(stringr)

library(kableExtra)

df <- read\_delim("Cochrane.txt", delim = "\t",

quote = "\\\"", escape\_double = FALSE,

trim\_ws = TRUE, skip = 4)

df<- df |>

select(ID, Search)|>

mutate(ID = str\_replace\_all(ID, "#", "")) |>

#mh for when copied from Medline, this might need to be changed as it uses phrases and mh might replace from free text

mutate(Search = str\_replace\_all(Search, "MeSH descriptor: |mh", "MESH DESCRIPTOR "))|>

#mutate(Search = case\_when(grepl("\\[mh \\"", Search) ~ str\_remove\_all("\\"")),.default = Search)|>

mutate(Search = str\_replace\_all (Search, "\\[|\\]|\\/|\\{or |\\{OR |\\}", ""))|>

mutate(Search = str\_remove\_all(Search, "this term only"))|>

#mutate(Search = str\_replace (Search, "[\\-](file://-)#", ":"))|>

#mutate(Search = casefold("explode all trees", upper = TRUE) Come back to this, also tried str to upper. If phrases can be changed, can combine with line 9

mutate(Search = str\_replace\_all(Search, "explode all trees", "EXPLODE ALL TREES"))|>

mutate(Search = str\_replace\_all(Search, "\\:pt|\\:so", " LIMIT - DELETE LINE"))|>

mutate(Search = str\_replace\_all (Search, "with Cochrane Library publication",

"DELETE THIS TEXT AND APPLY"))|>

mutate(Search = gsub("\\:.\*", "", Search))|>

mutate(Merged="")|>

unite(Merged, Merged, ID, Search, sep=" ", na.rm=TRUE)

df <- select(df, Merged)

write.table(df, file = "crd.txt", row.names = FALSE, col.names = FALSE, quote = FALSE)

#Need to figure out how to add text to condensed combination lines to say "expand these". Text output could include a chunk of numbers

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