Short installation instructions for Emacs + ESS + R + MinGW

Install R

- [ ] Download Installer from here: https://cran.r-project.org/bin/windows/base/R-4.1.2-win.exe

- [ ] Run installer (double-click)

- [ ] Accept all standard settings

- [ ] Add shortcut to desktop and quick launch

- [ ] When finished, open Windows search bar and type `PATH`

- [ ] In the window, click on `Environment Variables`

- [ ] In the new window, select the row for `Path` and click `Edit`

- [ ] In the new window, select `New`

- [ ] Enter this string in the empty row: `C:\Program Files\R\R-4.1.2\bin\x64`

- [ ] Open Windows search bar and type `CMD`

- [ ] Select `Pin to taskbar`

- [ ] Open `Command prompt` (Terminal)

- [ ] At the prompt, type R

- [ ] To get out of R, type `q()` + n

- [ ] To test the R GUI, open the desktop shortcut

- [ ] You can now shut down all open windows

Install Emacs

- [ ] Download Installer from here: https://vigou3.gitlab.io/emacs-modified-windows/

- [ ] Run installer (double-click)

- [ ] Accept all standard settings

- [ ] Add shortcut to desktop and quick launch

- [ ] When finished, open Windows search bar and type `PATH`

- [ ] In the window, click on `Environment Variables`

- [ ] In the new window, select the row for `Path` and click `Edit`

- [ ] In the new window, select `New`

- [ ] Enter this string in the empty row: `C:\Program Files\Emacs\x86_64\bin`

- [ ] Open `Command prompt` (Terminal)

- [ ] At the prompt, type `emacs -nw`

- [ ] In Emacs, type `M-x R RET`

- [ ] R should open inside Emacs. You can shut Emacs now.

- [ ] To open Emacs from the desktop, double-click on the shortcut

- [ ] In Emacs, type `M-x R RET`

- [ ] R should open inside Emacs. You can shut Emacs now.

Install gcc

- [ ] Download the installer from https://sourceforge.net/projects/mingw-w64/files/Toolchains%20targetting%20Win32/Personal%20Builds/mingw-builds/installer/mingw-w64-install.exe

- [ ] Run the installer - accept all standard settings

- [ ] When finished, open Windows search bar and type `PATH`

- [ ] In the window, click on `Environment Variables`

- [ ] In the new window, select the row for `Path` and click `Edit`

- [ ] In the new window, select `New`

- [ ] Enter this string in the empty row: `c:/Program Files (x86)/mingw-w64/i686-8.1.0-posix-dwarf-rt_v6-rev0/mingw32/bin/gcc.exe`

- [ ] Open `Command prompt`

- [ ] At the prompt, type `gcc --version`

- [ ] Open Emacs and type `M-x eshell`

- [ ] At the prompt, type `gcc --version`

- [ ] You can shut Emacs now.

Install sqlite

- [ ] Download ZIP file from here: https://www.sqlite.org/2022/sqlite-tools-win32-x86-3370200.zip

- [ ] Extract ZIP file to `Program Files (x86)`

- [ ] When finished, open Windows search bar and type `PATH`

- [ ] In the window, click on `Environment Variables`
- [ ] In the new window, select the row for `Path` and click `Edit`
- [ ] In the new window, select `New`
- [ ] Enter this string in the empty row: `C:\Program Files (x86)\sqlite-tools-win32-x86-3360000`
- [ ] Open `Command prompt` (Terminal)
- [ ] At the prompt, type `sqlite3`
- [ ] To get out of sqlite, type `.q RET`