Build PopED in R.

1. Make sure the date and version number in ../PopED/DESCRIPTION are updated
2. Update github repository
3. Run tests (test package in r-studio)
4. Run tests with “skip\_examples <- F” in “/tests/testthat/helper\_options.R” (set to “skip\_examples <- T” after all has gone ok)
5. Run test with “comment\_dontrun <- F” in “/tests/testthat/helper\_options.R” (set to “comment\_dontrun <- T” after all has gone ok)
6. **Check the package with devtools:** run the “check” command in the build tab of RStudio (make sure “use devtools package functions” in the project options is checked).
   1. Check for notes/warnings/errors in the check output. Fix and rerun until no more notes/warnings/errors occur.
   2. Note: if you don’t have an internet connection then run without the  
      ‘--as-cran’ option in the script. Make sure to run with this option before submitting to CRAN.
7. **Fix any issues at:**

<https://cran.rstudio.com/web/checks/check_results_PopED.html>

1. **Check the package in windows and using the development version:**

devtools::build\_win()

1. **Check the package without devtools and rstudio:**

R CMD build ./PopED/

R CMD check --as-cran PopED\_version.tar.gz

1. **Submit to CRAN:**

devtools::release()

1. **Build final source version:** run the “build source package” command in the build tab of RStudio:
   1. ALTERNATIVE: R CMD build ../PopED/
2. Submit to CRAN: <http://cran.r-project.org/banner.shtml#submitting>
   1. Or use:

devtools::release()

1. After confirmation that package is accepted send out messages on nmusers, pop\_design and put on website and on twitter. Add tag for version number on github.

## -------------- Binaries ----------------

To make a binary file for MAC

R CMD INSTALL --build PopED\_version.tar.gz

Create Windows binary packages by using a virtual box

1. Make sure the latest rtools and R are installed and paths are present (DOS> PATH). Use set\_path.bat to set paths for just one session if you like.
2. Run on a DOS window with administrator privileges (shift right click on CMD icon to create with admin rights):

R CMD INSTALL --build PopED\_version.tar.gz