

# For participants to read before workshops

Natalie Z. Kerr & Brian Lovett

## FOR BOTH SESSIONS

Before reviewing the workshop content for both sessions. You will have to have both Program R and R Studio downloaded.

For session 1 and 2, you will need at least R version 3.2 or higher. To check your R Version, you can run the following code in your R console:

```
R.Version()
```

Or navigate to “*Tools -> Global Options -> General*” and under *R Version*, it will tell you the version that you currently have installed on your computer. If your R version is outdated for our sessions, you can follow the instructions here to avoid having to re-install all of your existing packages. You will only need to update program R, not R Studio.

You can update R using the following “installr” package and code:

```
install.packages("installr")
require(installr)
updateR()
```

## SESSION 2 ONLY

Before continuing to session 2 on frequentist models. You will need the following packages installed.

- here
- pscl
- glmmTMB
- lme4
- car
- lmttest
- bbmle

To install these packages, you can either navigate to the “*Files/Plots/Packages/Help/Viewer*” panel, click on “*Packages*” tab, then “*Install*” and type in each of the packages. Or you can use the following R code:

```
install.packages("here")
```

If you have some of these packages already installed, it might be good to also update these by going to the same panel and clicking “*Packages*” tab, then “*Update*” and click the relevant packages. This may take some time, so it is important that you do this prior to the workshop.