

SEPA 2019 – R Workshops

Setup and Installation Instructions

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To participate in today's workshop, you will need a recent version of R and RStudio. You will also need to install several R packages that we will be using. This setup covers both R workshops offered this year: graphics and linear models. If you are attending both workshops, you will only need to do this setup **once**.

If you have R and RStudio already installed, you **may not** need to re-install these programs. However, if your version of R is more than about 9-12 months old, you may need to update them to more recent versions to be compatible with the versions of the packages provided today. (This is due to SEPA not providing internet at the conference; usually R is easy to install and keep up to date.)

If you have R and RStudio already installed, you should skip to part 2 and see if that works first. If it does, you are ready; if not, uninstall R and RStudio from your computer and start over at part 1 of this document.

PART 1 – INSTALL R AND RSTUDIO

Among the USB folders provided today there is a folder called Program_Installers and within that directory, there are two others: OSX (for Apple computers) and Windows. Inside of the appropriate one of these are the installer programs for R and RStudio. Please install these in the usual way. **Make sure to install R first, then RStudio** – that way the RStudio installer can automatically connect itself to R. You may accept all of the default options offered by the installers. Also, without internet access, you may get additional warnings, these are normal.

PART 2 – INSTALL THE PACKAGES FOR R

Once both R and RStudio are installed, start **RStudio**. It **may** ask you to confirm the location of R the first time you start it. If it does, it should automatically show you the location you installed R into; if it does not show this, please ask for help. It may also give a warning about a default “repository” this is due to lack of internet, it is not a problem.

Inside of RStudio, using the menu at top, select:

Session | Set Working Directory | Choose Directory ...

and using the window that pops up, navigate to the folder: Installation_Tools within the folders copied from the USB stick. In this step, do **NOT** select either of the subfolders (labeled “OSX” and “Windows”). Finally, type the command:

```
source("local_installer.R")
```

in the console window. This should finish the setup. If there is an error message, please get the attention of the presenters and ask for help.

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