

Hello,

You are receiving this because you have signed up for the Introduction to R online workshop on 26-29 April 2021.

Since the workshop is a month away, we want to make sure that everyone comes to the workshop ready to go with everything installed correctly.

* Please follow the instructions in this email carefully.

* This task should take around 10 to 15 minutes to complete.

* Please email david.jorgensen13@imperial.ac.uk with your results before 19 April 2021

INSTRUCTIONS BELOW

1. Please install the following programs and *please pay attention to the version number*

R version 4.0.4 (<https://cloud.r-project.org/>).

RStudio Desktop version 1.4.1106 (<https://rstudio.com/products/rstudio/download/#download>)

2. Once you have R and RStudio installed, open RStudio by double-clicking on its icon on your desktop and copy + paste the following code in your console to install the packages needed for the sessions:

```
install.packages("here")
install.packages("readxl")
install.packages("readr")
install.packages("incidence")
install.packages("epitrix")
install.packages("dplyr")
install.packages("ggplot2")
install.packages("epitools")
install.packages("sf")
install.packages("leaflet")
install.packages("mapproj")
```

You should respond Yes to any messages about installing packages from sources needing compilation.

3. Copy and paste this code into your R console and *reply to this email by copying + pasting the output of the following:*

```
library("here") # find data/script files
library("readxl") # read xlsx files
library("readr") # read and write text spreadsheets
library("incidence") # make epicurves
library("epitrix") # clean labels and variables
library("dplyr") # general data handling
library("ggplot2") # advanced graphics
library("epitools") # statistics for epi data
library("sf") # shapefile handling
library("leaflet") # interactive maps
library("mapproj") # map projections
sessionInfo()
```

You should see something like this:

```

> library("here")      # find data/script files
here() starts at /Users/David/Desktop/Stegen
> library("readxl")    # read xlsx files
> library("readr")     # read and write text spreadsheets
> library("incidence") # make epicurves
> library("epitrix")   # clean labels and variables
> library("dplyr")     # general data handling

Attaching package: 'dplyr'

The following objects are masked from 'package:stats':

  filter, lag

The following objects are masked from 'package:base':

  intersect, setdiff, setequal, union

> library("ggplot2") # advanced graphics
Keep up to date with changes at https://www.tidyverse.org/blog/
> library("epitools") # statistics for epi data
> library("sf")       # shapefile handling
Linking to GEOS 3.8.1, GDAL 3.1.4, PROJ 6.3.1
> library("leaflet") # interactive maps
> library("mapproj") # map projections
Loading required package: maps
> sessionInfo()
R version 4.0.4 (2021-02-15)
Platform: x86_64-apple-darwin17.0 (64-bit)
Running under: macOS High Sierra 10.13.4

Matrix products: default
BLAS:   /System/Library/Frameworks/Accelerate.framework/Versions/A/Frameworks/vecLib.framework/Versions/A/libBLAS.dylib
LAPACK: /Library/Frameworks/R.framework/Versions/4.0/Resources/lib/libRlapack.dylib

locale:
[1] en_GB.UTF-8/en_GB.UTF-8/en_GB.UTF-8/C/en_GB.UTF-8/en_GB.UTF-8

attached base packages:
[1] stats      graphics  grDevices  utils      datasets  methods   base

other attached packages:
[1] mapproj_1.2.7  maps_3.3.0    leaflet_2.0.4.1 sf_0.9-7      epitools_0.5-10.1 ggplot2_3.3.3
[7] dplyr_1.0.5    epitrix_0.2.2 incidence_1.7.3 readr_1.4.0    readxl_1.3.1     here_1.0.1

loaded via a namespace (and not attached):
[1] Rcpp_1.0.6      cellranger_1.1.0 pillar_1.5.1    compiler_4.0.4  class_7.3-18     tools_4.0.4
[7] digest_0.6.27   lifecycle_1.0.0 tibble_3.1.0    gtable_0.3.0    pkgconfig_2.0.3  rlang_0.4.10
[13] DBI_1.1.1       crosstalk_1.1.1 e1071_1.7-5     withr_2.4.1     generics_0.1.0   vctrs_0.3.6
[19] htmlwidgets_1.5.3 hms_1.0.0      classInt_0.4-3  rprojroot_2.0.2 grid_4.0.4       tidyrselect_1.1.0
[25] glue_1.4.2      R6_2.5.0       fansi_0.4.2     purrr_0.3.4     magrittr_2.0.1   units_0.7-0
[31] scales_1.1.1    ellipsis_0.3.1 htmltools_0.5.1.1 colorspace_2.0-0 KernSmooth_2.23-18 utf8_1.2.1
[37] proxy_0.4-25    munsell_0.5.0  crayon_1.4.1
>

```

*If you are having trouble with your installation, we will be happy to help get you up and running.

All the best,

David Jorgensen and Janetta Skarp

R Epidemics Consortium