

A

The screenshot shows an RStudio terminal window with the following R code:

```
## @author: @davidmccormack
## @date: 2022-08-17
## @version: 0.1.0
## @license: GPL
## @url: https://github.com/davidmccormack/8421-8709-1817

# show average waveforms in different groups, replace "0" with sound level of interest
# algorithm is adapted from William A. Ruber (http://stats.stackexchange.com/questions/26289)
# author: Baotang Hu (baotang.hu@rockefeller.edu)
# year: 2022-08-17
# version: 0.1.0
# license: GPL

library(tidyverse)
library(plsty)
library(ggplot2)

# Define ABO, that begin (bin) at 1 (ms) and end (end) at 8 (ms), amplitude threshold = 0.1
# Change those parameters as you need.
min = 1 # beginning of waves
max = 8 # end of waves
threshold = 0.1 # amplitude threshold of waves

# Parameters for post-trough labelling: w is the half-width of the window used to compute the
# local maximum (to avoid spurious peaks, in the 64-bit hardware system, 18 = 0.56 ms); span
# is the kernel width.
```

B

The screenshot shows an RStudio terminal window with the same R code as in panel A. The file browser on the right shows a directory structure with files like '8421-8709-1817.R', '8421-8709-1817.Rproj', and '8421-8709-1817.Rmd'. The terminal output shows the execution of the code, including the loading of packages and the execution of the main script.

C

