Troubleshooting guide for HarmonizR 1.1
(Read if errors despite usage of the SOP occur)

Errors when attempting an installation via GitHub:

When trying to install 'HarmonizR' via GitHub from the command line, please make sure that 'devtools' is installed and that the library is loaded. Loading the library can be done via library(devtools).

The correct command for a devtools installation is:

devtools::install_github("HSU-HPC/HarmonizR_v1.1")

Warnings or errors during installation of "HarmonizR" and its dependencies:

If some dependency or package is unable to be installed or updated, it might be due to the package already being loaded by some other package (like 'devtools' for example). This can be any other package that is currently loaded into the environment. In this case it is advised to install the problematic package separately beforehand. This can usually be done via install.packages() as seen within the SOP. An example could be install.packages("rlang"). For this to work reliably it is advised to restart the R session beforehand and afterwards. This can (if RStudio is used) for example be done by clicking 'Session' in the top band and choosing 'Restart R' or by closing and reopening RStudio. As the first thing after restarting the R session, please then use install.packages() with the problematic package(s).

Errors during visualization:

When using RStudio and the 'plot' parameter of the harmonizR() function is set, an error might occur if the plot window in RStudio is too small:

Error in plot.new() : figure margins too large

In this case, please enlarge the plot window and re-run the script. Note that despite this error the created output data remains correct.

Additionally, please mind that since a log transformation is assumed on the passed data, this will also be accounted for before plotting. Trying to plot data that has not been log transformed prior may lead to an unplottable result and might cause an error.