

Install_packages Script

TASK

Install all the necessary packages of the DivCom tool

Background

DivCom relies on the functions provided by the R packages ade4, ape, caTools, cluster, cowplot, data.table, dplyr, factoextra, fpc, ggplot2, ggpubr, ggtree, graphics, grid, gtable, gridExtra, lattice, mclust, GUniFrac, permute, phangorn, RColorBrewer, stats, tidyr, tools, vegan. Several of these packages have their own dependencies. For a smoother experience and reduced waiting times, we recommend running the install_packages.R script first. This script will automatically install all the packages and dependencies required by DivCom scripts. Note that during the package installation, a stable internet connection is required.

In some cases, unexpected problems can cause a package not to be installed. Packages that, for any reason, cannot be installed automatically will be identified and noted in the corresponding report. Most of the time, restarting the R session and retrying is enough to resolve some of the issues. If the problem continues, the user has to install the packages manually. In any case, it is recommended to successfully install all the packages before proceeding to the main scripts of the tool (Beta-Diversity and DivCom scripts).

Troubleshooting

PROBLEM	SOLUTION
The packages cannot be downloaded	➤ Check the internet connection.
A package cannot be loaded	➤ Check if the package has been successfully installed. ➤ Check if the dependencies of the package have been successfully installed.
A message appears on the screen suggesting to restart the R session because a package is in use	➤ Close R studio and try again. (recommended) Or ➤ Select 'yes'.
I cannot find the report of the script	➤ Check the working directory path.