

Tutorials for R

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I will post here a few tutorials for different types of analysis of microbial communities. For each of these of these tutorials there will be a detailed explanation as a pdf file created with Rmd.

- [phyloseq](#) - Manual is here

Please post any question or issues here

The whole set of tutorials can be downloaded here

Prerequisites to be installed :

- R : <https://pbil.univ-lyon1.fr/CRAN/>
- R studio : <https://www.rstudio.com/products/rstudio/download/#download>
- Download and install the following libraries by running under R studio the following lines

```
install.packages("dplyr")      # To manipulate dataframes
install.packages("tidyr")      # To manipulate dataframes
install.packages("readxl")     # To read Excel files into R

install.packages("ggplot2")    # for high quality graphics
install.packages("maps")       # to make maps

install.packages("treemap")    # for treemaps

install.packages("FactoMineR") # multivariate analysis

source("https://bioconductor.org/biocLite.R")
biocLite('phyloseq')           # metabarcoding data analysis
biocLite("Biostrings")         # manipulate sequences
```