

Learning Objectives - By the end of these practical exercises, students should be able to:

- (i) Use correctly user-defined function;
- (ii) Use correctly plot functions: wordcloud, histograms;
- (iii) Use correctly dataframe, matrix, sparse matrix and functions.

Data Resources and Software Tools.

For this laboratory class, you will need the following software:

- Access to RServer (<http://datalys.dyn.fil.isel.pt:8787>) or,
- R, <https://cran.r-project.org/>, and
- R Studio, <https://posit.co/downloads/>.

Guide

1. The exercises and the dataset from the practical lesson are delivered in a separate file. Unzip the contents;
2. Open R Studio, and open the file `au1a20240424.R` handed with this guide. Execute and explain each of the following statements, one by one (and check the values on the 'Global Environment' tab). Understanding the data set.