UNIVERSITY OF SÃO PAULO

PPGEP - Graduate Program in Production Engineering
PRO5972 - Business Sustainability

R LANGUAGE and RSTUDIO

To use bibliometrix and Biblioshiny application, it is necessary to install 02 (two) software: *R Language and RStudio*.

INSTALLING R LANGUAGE

The first step

To use bibliometrix and biblioshiny, it is necessary to install R. Download and install the most recent version of R. Access the link (https://cran.r-project.org/). Next, choose the R installation package according to your machine's Operational System.



Described and Install R
Precompiled bisony distributions of the base system and contributed packages. Windows and Mar users must likely want use of these versions of R.

Dornaloud R for Long (Debug, Ender Redict Chairs)
Dornaloud R for Long (Debug, Ender Redict Chairs)
Dornaloud R for macOS
Dornaloud R for Mindous
R is part of many Limox distributions, you should check with your Limox package management system in addition to the link photo.

Describe Code For all Platforms
Windows and Mac users most likely want to doundoed the precompiled binaries listed in the upper box, not the source code. The sources have no be compiled before you can use them. If you do not know what this means, you probably do not want to do of
The latest release (2022-04-22, Vigorous Calisthenics) R-1.0 mms, was what his means, you probably do not want to do of
Sources of R alpha and less releases (daily enaphote, created only as time periods before a planned release).
Dualy snapshots of current packages (daily enaphote, created only as time periods before a planned release).
Dualy snapshots of current packages and development versions are available here. Please read about new features and hus fixed before filling corresponding feature requests or bug reports.

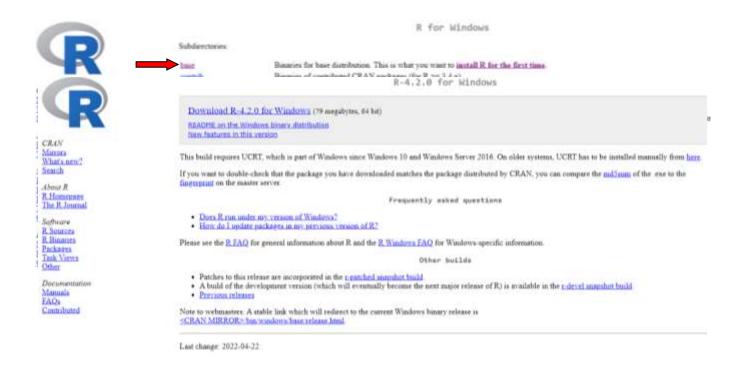
Source code of older versions of R is qualished here.
Contributed extension packages

Questions About R

If you have questions about R like how to download and assault the software, or what the license terms are, please read our amounts to fingurations before you send on essail.

What are R and CRAW

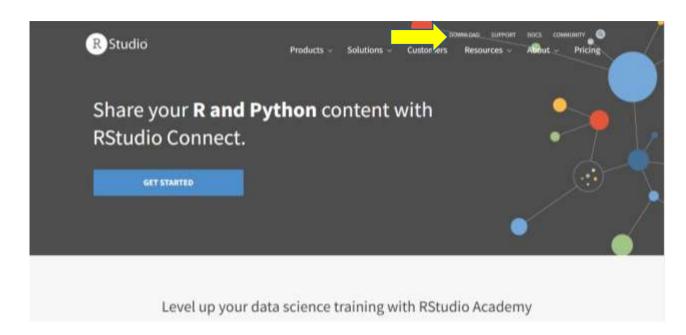
For Windows users: click on "base", right after "Download R 4.2.0 for Windows". Execute the downloaded file and install it as usual, with the default settings:



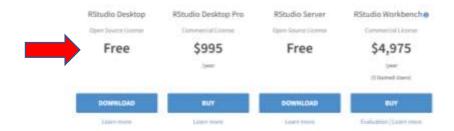
INSTALLING RSTUDIO

The second step

On the page https://rstudio.com, click on "Download":



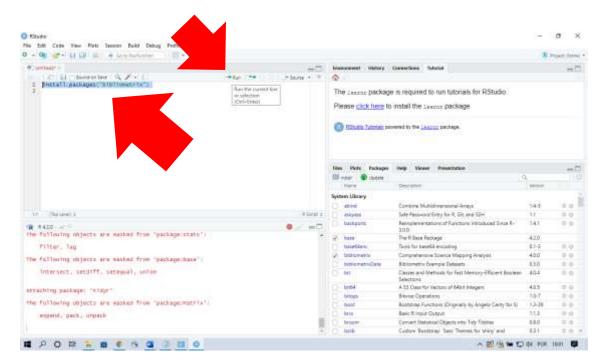
After that, scroll down the page and click on "Download" at the Free version.



Next, click on the link corresponding to the version of the Operational System to be used. After finishing the download, the file must be installed. As usual, keep the default settings.

INSTALLING THE BIBLIOMETRIX PACKAGE IN RSTUDIO

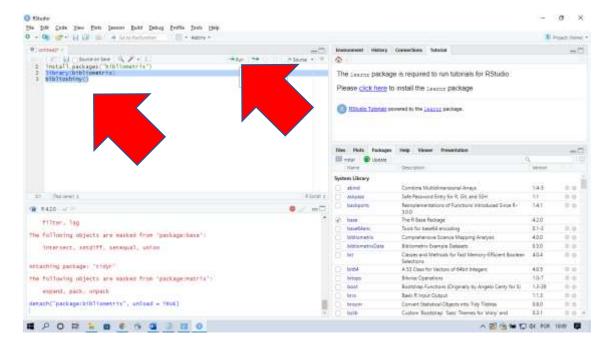
- 1. Open Rstudio software.
- 2. Copy and paste the following commands to the terminal:
 - line 1: install.packages("bibliometrix")
- 3. Select the first line of code. Click in the Run button. This action installs the bibliometrix package in Rstudio and loads the Bibliometrix for the R environment. You only need to install it once! Generally, the installation of the bibliometrix package can take some time; wait until the end of the installation.



OPENING THE BIBLIOSHINY APP IN THE BROWSER

To use the biblioshiny application in your browser, enter the command *library(bibliometrix)* and *biblioshiny()*.

- 1. Insert the command *library*(*bibliometrix*) on line 2.
- 2. Insert the *biblioshiny()* command on line 3.
- 3. Select lines 2 and 3 and then click Run.



This action will open the biblioshiny application in your browser whenever you need to view your sample's bibliometric information (such as examples, word cloud, co-citation network, etc.).

The biblioshiny app will open in your browser, and you will be able to load files containing bibliometric information and perform bibliometric analysis tasks.



References

Aria, M. & Cuccurullo, C. (2017). bibliometrix: An R-tool for comprehensive science mapping analysis, Journal of Informetrics, 11(4), pp 959-975, Elsevier, DOI: 10.1016/j.joi.2017.08.007 (https://doi.org/10.1016/j.joi.2017.08.007).

Bibliometrix: Comprehensive Science Mapping Analysis: https://www.bibliometrix.org/home/index.php

Bibliometrix reference manual:

https://cran.r-project.org/web/packages/bibliometrix/bibliometrix.pdf

Tour of RStudio: https://rladiessydney.org/courses/ryouwithme/01-basicbasics-1/