User Documentation

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1 Software and Hardware Requirements to Run the Project

To run this software, you must first have R installed along with any IDE that allows handling R files. In this case, RStudio has been used, but any other IDE is viable (Visual Studio Code, TinnR, Eclipse, Rbase, etc.). The project has been developed on Windows, so the installation instructions are specifically for this operating system.

Separately, we must also install the MongoDB driver, MongoDB Compass, so the system can create patient records locally. How to install all these programs is detailed in the next section.

2 Installation / Setup

2.1 Installing R

To install R on Windows, you can download it from the CRAN website [CRAN, 2024]. Once on the website, click on the "*Download*" section, as shown in Figure 1. This will download an executable (.exe) file that will be found in the Downloads folder.

When executing it, you must select the installation language 2. Once selected, the license agreements will appear 3, and you will be given the option to choose the installation directory 4; in this case, the default folder will be used. Then, you will select the components to install and specify if you want to use configuration options, as shown in Figures 5 and 6. Finally, before starting the installation, you will choose a folder to store the program's shortcuts 7 and define additional tasks to be performed during installation 8.
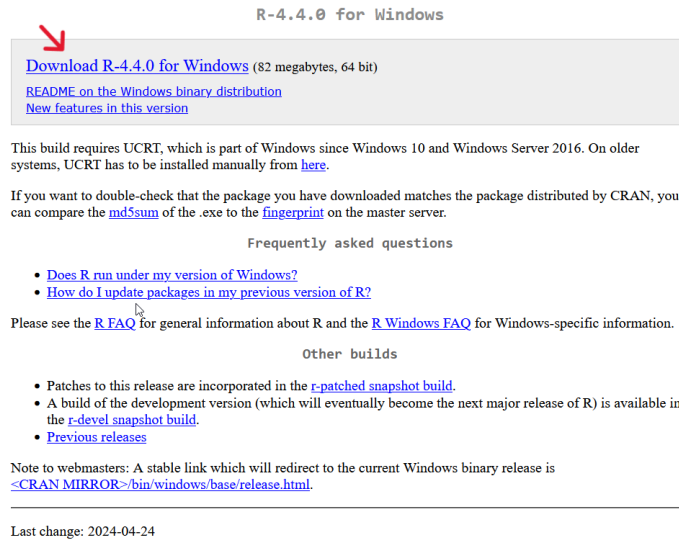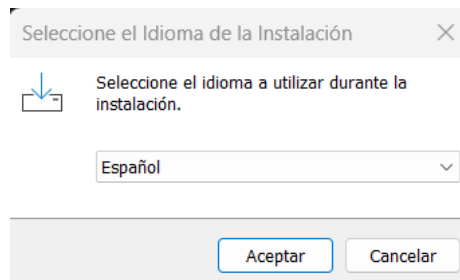
Figure 1: Download R
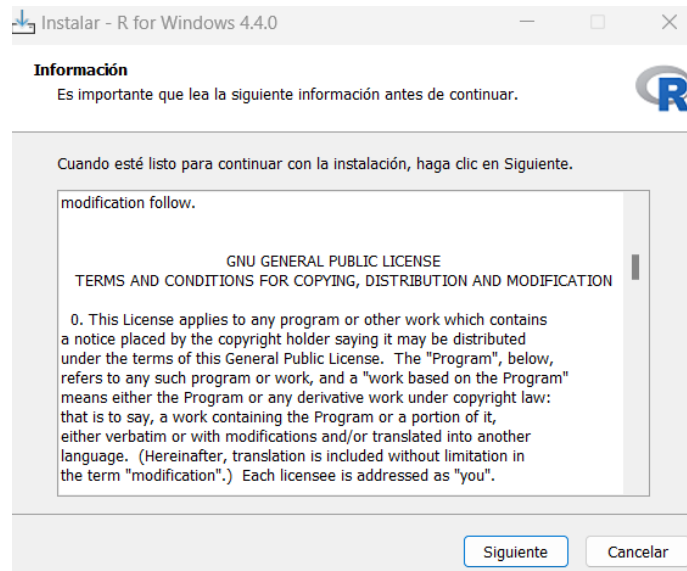

Figure 2: Language Selection
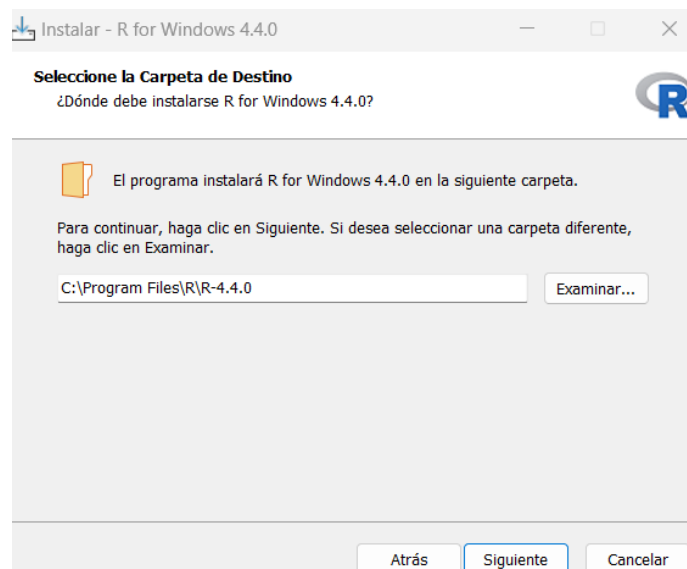
Figure 3: Licenses

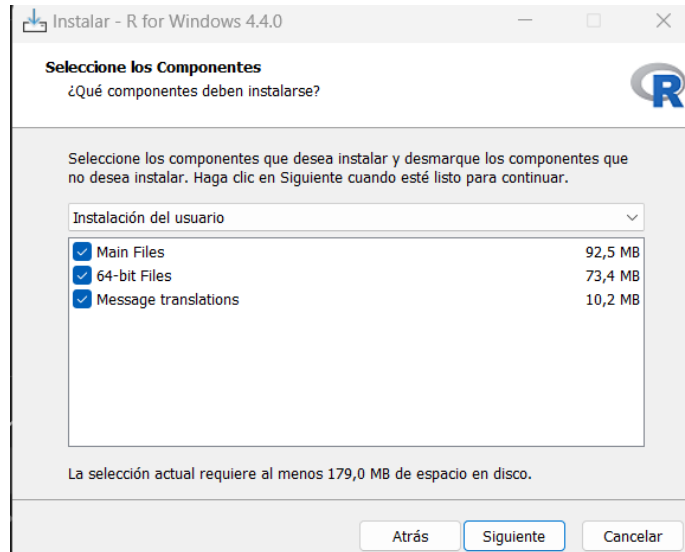
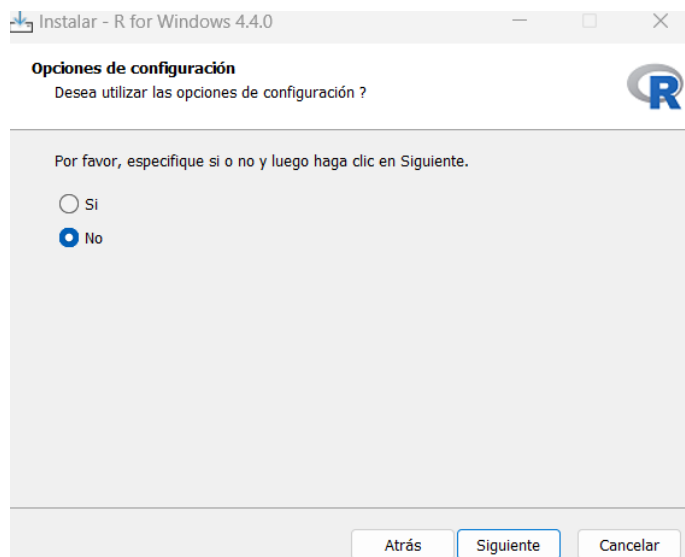Figure 4: Destination Folder Selection

Figure 5: Component Selection
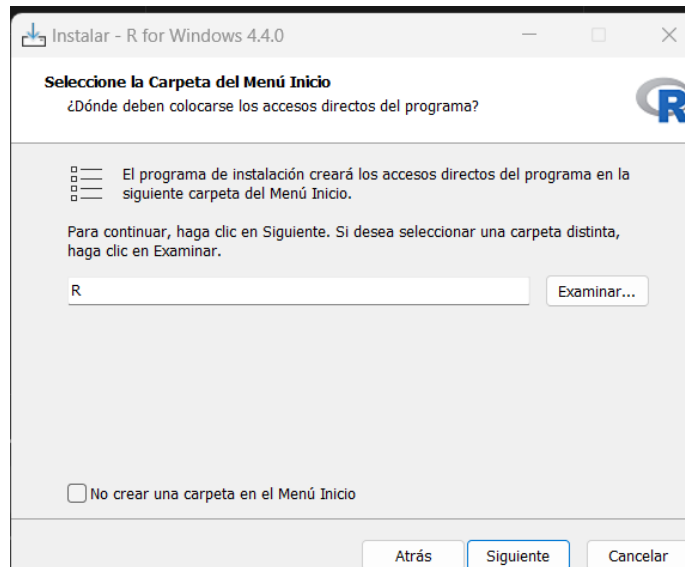

Figure 6: Configuration Options
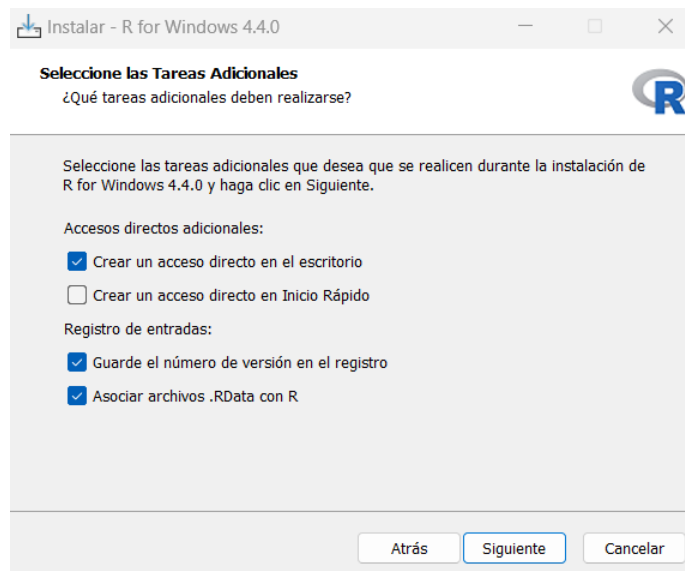
Figure 7: Shortcut Folder Selection

Figure 8: Additional Tasks

2.2 Installing RStudio

The installation of RStudio is similar to that of R. To download the installation file 9, go to the Posit website [Posit, 2024].

When executing the file, you will be asked to indicate the destination directory 4 and the folder for RStudio shortcuts 11. Once this information is completed, the installation will begin.
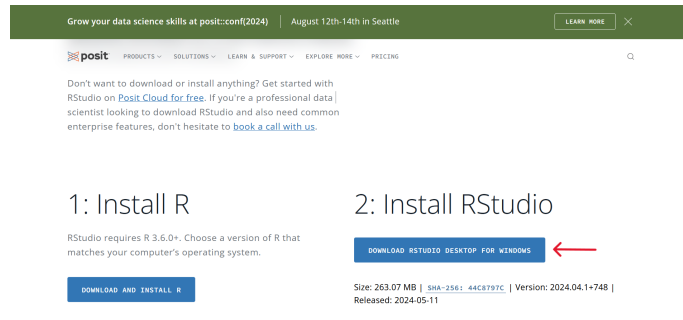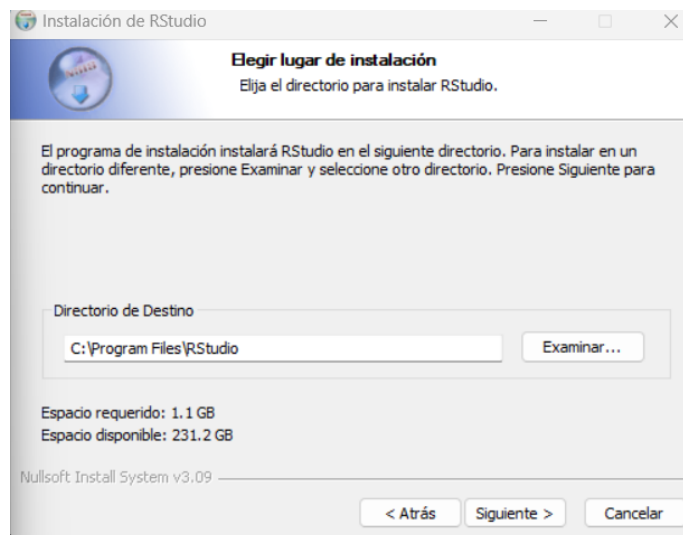

Figure 9: Download Installation File

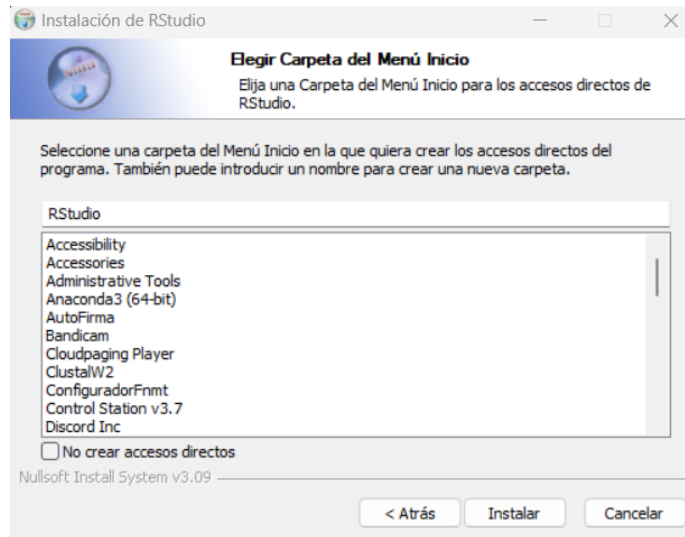Figure 10: Destination Folder Selection

Figure 11: Shortcut Folder Selections

2.3 Installing MongoDB Compass

On the official MongoDB website [MongoDB, 2024], you can find the MongoDB Compass installer 12. In this case, no configuration is required; the application will install automatically upon executing the downloaded file.

Finally, to launch the Shiny application, you only need to clone the GitHub repository, open the PDF-Scrapping.R file, and execute it.

The instructions to clone a repository [GitHub, 2024] are:

- Go to the GitHub repository page.

- Click the green button labeled "Code" 13.

- Select the cloning method (HTTPS, SSH, or GitHub CLI).

- Copy the displayed URL.

- Open Git Bash and navigate to the directory where you want to clone the repository.

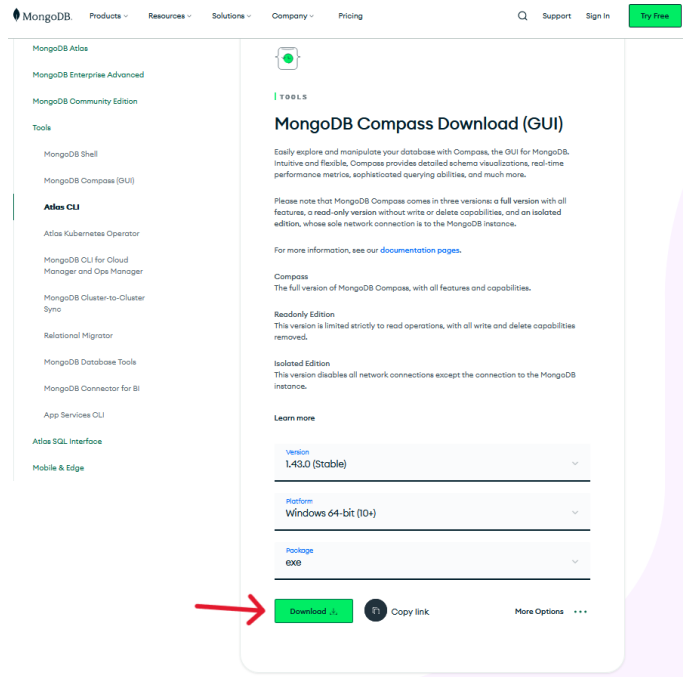- Type "git clone" followed by the copied URL.

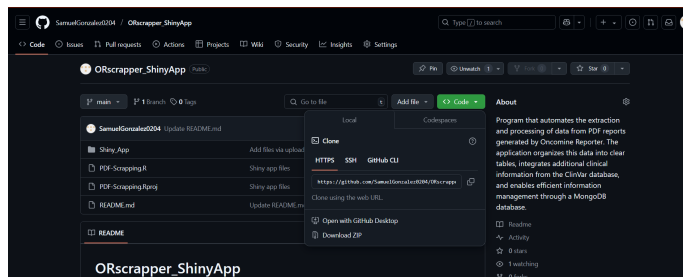Figure 12: Download MongoDB Compass Installer

Figure 13: Repository Cloning

References

[CRAN, 2024] CRAN (2024). Download r-4.4.0 for windows. the r-project for statistical computing. https://cran.r-project.org/bin/windows/base/. Acceso realizado el 5 de junio de 2024.

[GitHub, 2024] GitHub (2024). Clonar un repositorio - documentación de github. https://docs.github.com/es/repositories/creating-and-managing-repositories/cloning-a-repository. Acceso realizado el 11 de junio de 2024.

[MongoDB, 2024] MongoDB (2024). Download mongodb atlas cli — mongodb. https://www.mongodb.com/try/download/atlascli. Acceso realizado el 5 de junio de 2024.

[Posit, 2024] Posit (2024). Rstudio desktop - posit. https://posit.co/download/rstudio-desktop/. Acceso realizado el 5 de junio de 2024.