

Data Science for High School


Summer 2021

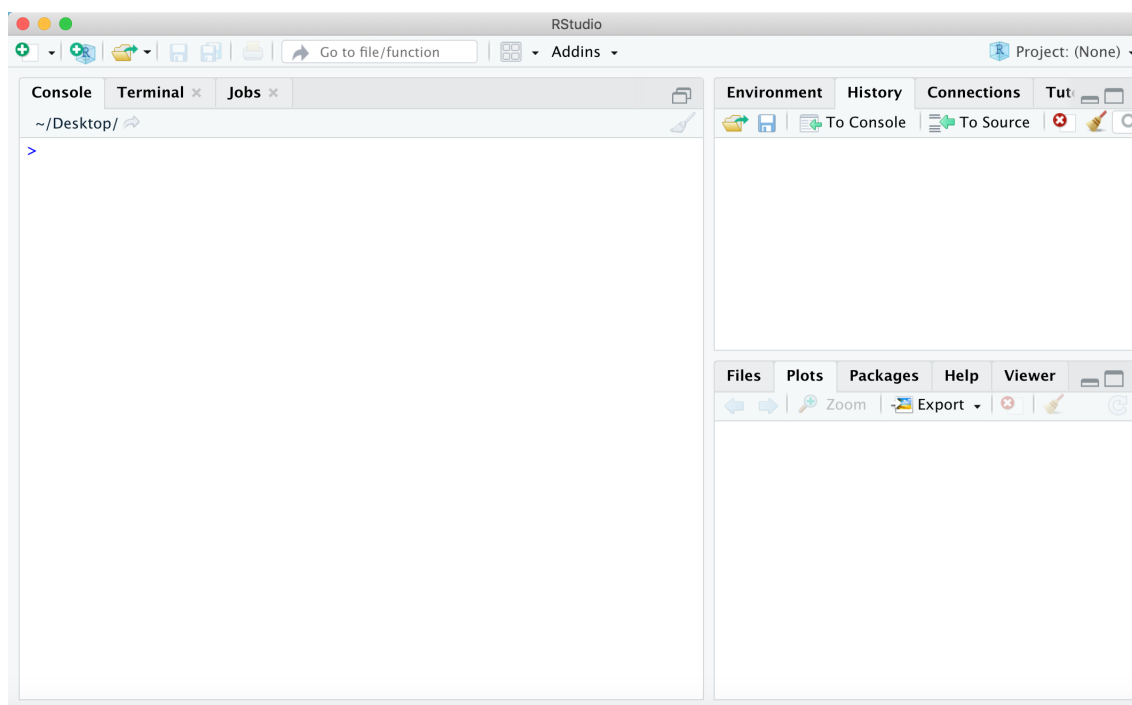
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1 Before We Begin...

In this class, we will use the R language, and the RStudio integrated development environment (IDE). Before the first meeting, install the necessary software on your personal computer by executing the following instructions. Go to the website of the Comprehensive R Archive Network <https://cran.r-project.org/> and download the latest version of R for your operating system (Windows, MacOS, or Linux). As of March 13, 2021, the latest version is 4.0.4. Follow the installation instructions.

Next, go the Rstudio download website <https://rstudio.com/products/rstudio/download/> and get the Desktop version (open source license). As of March 13, 2021, the version is 1.4.1106. Follow the installation instruction. An icon that looks like this:  will be on your computer's desktop. Double-click on this icon to start the R session. The Rstudio IDE will open, and look like this:



Some highlighted text

The velocity at any point, P (position, r) is given by:

$$v = \omega \, x \, r \tag{1}$$

