Setting up RStudio

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To set up RStudio, you first need to install R from CRAN: Go to https://cran.rstudio.com/ and click the link corresponding to your operating system under "Download and Install R." If you're a Windows user, click "base" and "**Download R 4.2.1 for Windows**;" if you use Mac OS, download "R-4.2.1.pkg." Once downloaded, run the installer script (as administrator if you're on Windows).

Once you have installed R, you can install RStudio: download RStudio Desktop from https://rstudio.com/ products/rstudio/download/#download and run the installer script (again, as administrator if you're on Windows).

To verify that everything is working, open RStudio and type the two lines below into the console (the bottom-left box). The first line loads a dataset on car performance and the second prints the first five rows:

```
data(mtcars)
head(mtcars)
```

```
##                    mpg cyl disp  hp drat    wt  qsec vs am gear carb
## Mazda RX4         21.0   6  160 110 3.90 2.620 16.46  0  1    4    4
## Mazda RX4 Wag     21.0   6  160 110 3.90 2.875 17.02  0  1    4    4
## Datsun 710        22.8   4  108  93 3.85 2.320 18.61  1  1    4    1
## Hornet 4 Drive    21.4   6  258 110 3.08 3.215 19.44  1  0    3    1
## Hornet Sportabout 18.7   8  360 175 3.15 3.440 17.02  0  0    3    2
## Valiant           18.1   6  225 105 2.76 3.460 20.22  1  0    3    1
```

(If everything works as it should, you should see the output shown above in your console.)