Introduction to R - Before we start
BUGS Workshop

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Contents

Welcome to this setup to this Introduction to R workshop. Whether you have used R before or if this is your first time every downloading R, there are a few things for you to do before our tutorial to make sure everything will run smoothly.

Downloading the software

We are going to be using R as well as R Studio to make our R experience a bit more user friendly.

IF YOU HAVE USED R AND RSTUDIO BEFORE, I WANT YOU TO GO INTO YOUR COMPUTER APPLICATIONS AND DELETE THE PROGRAMS We are all going to start fresh so we have the most up to date versions and are all running the same things.

Downloading R

To download R, we are going to go to the CRAN website https://cran.r-project.org/ and download the newest version for your computer. At the time of creating this workshop the current version is **R 4.3.1** When you have R downloaded, it should open without issues and show you this very not pretty script (Figure 1). Now if this works and looks like Figure 1, great, close R and never open it in this way again.

Troubleshooting

- Is your computer up to date?

- Are you downloading the right version for your computer? Mac vs Windows, Intel vs M1/M2?

- If your computer is older and cannot have the most current software, you will need to download an older version of R that will be supported by your operating system
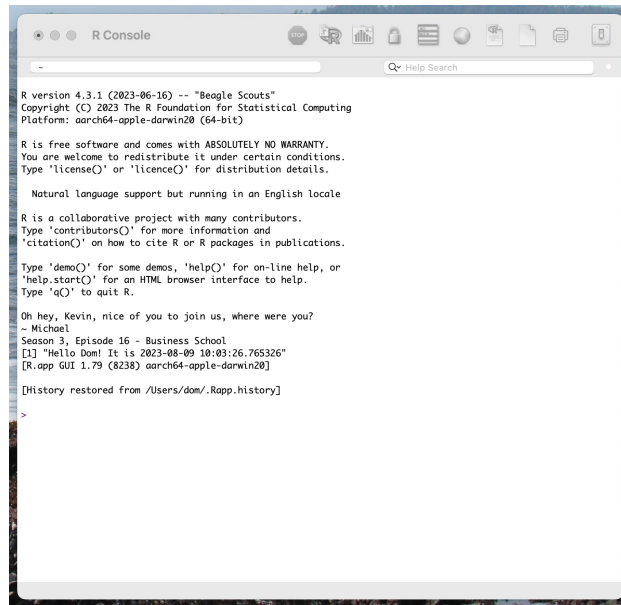
Figure 1: When R opens it should look like this

Downloading RStudio

In order to make R user friendly, we will be using R Studio to help us run R. This is *technically* optional but I really don't recommend using R on its own, you will have more errors, more difficulty troubleshooting errors and you will have to do a lot more by hand.

To download RStudio we are going to go to the posit website https://posit.co/downloads/. Download the version for your computer and then open this application when you have downloaded it. If it works you should have a lovely RStudio environment that looks a little something like Figure 2.
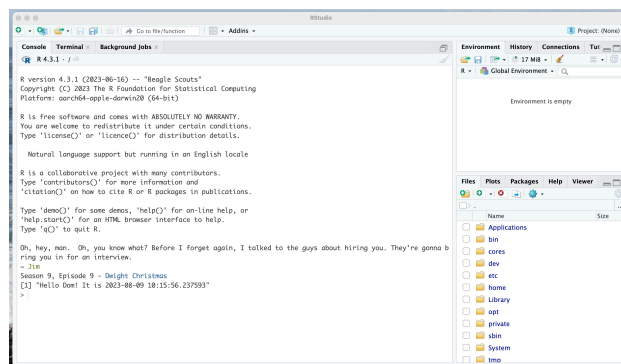

Figure 2: When RStudio opens it should look like this