Installing R and RStudio

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In SOC6302 we will be using the statistical programming language R through the RStudio environment. You will need to install both R and RStudio onto your computer. This document describes the steps of installation, and provides a test to make sure everything is working properly.

Install R

- Go to http://cran.utstat.utoronto.ca/
- Select the download link that is relevant to you: if you have a Mac, select "Download R for (Mac) OS X", if you have a Windows machine, select "Download R for Windows".
- If you have a Mac, click on the "R-4.2.1pkg" link. If you have a Windows machine, click on the "base" link, then click on the "Download R 4.2.1 for Windows" link.
- Open the downloaded file and follow the install instructions on your machine.

Install RStudio

- Go to https://posit.co/download/rstudio-desktop/
- Scroll down and click the "Download" under step 2 (it will either say for Mac or Windows)
- Open the downloaded file and follow the install instructions on your machine.

Install tinytex

You may need to install a TeX distribution (you probably will). If you're not sure if you have one, go to the next step ("Check everything worked by knitting a Quarto document"), and if it doesn't work, you will need to install tinytex.

1. Open RStudio

2. Click in the Console window (on the left)
3. Type `install.packages('tinytex')` after the > and press return
4. Type `tinytex::install_tinytex()` after the > and press return

Check everything worked by knitting a Quarto document

1. Open RStudio
2. click the picture of the document with a green cross in the top left hand side
3. Select Quarto Document
4. Select PDF and press Create
5. Go File > Save and save the document
6. In the Menu bar above the document, click "Render". This should result in a PDF document.