1. Have the following documents in the same folder:
   1. Tech\_index\_scale\_automation\_final.Rmd
   2. Tech\_index\_k\_data.xlsx
   3. The excel file that was downloaded from user testing
2. Make sure that R and Rstudio (separate things) are installed on your computer
   1. Link for R installation: <https://www.r-project.org/>
   2. Link for Rstudio installation: <https://www.rstudio.com/products/rstudio/download/#download>
3. Open Rstudio
4. Look at the first chunk (a grey box with a bunch of words) should look like this:

Table

Description automatically generated

1. Remove the ‘#’ from in front of the green text that starts with ‘install.packages’ and run the chunk
   1. To run the chunk press the green play button in the top right corner of the grey box
   2. Wait a few minutes for the packages to be downloaded
      1. There will be a bunch of pop-up windows that should show the installations being conducted
2. Then go the chunk below the installation chunk that starts on line 20 should look like this:

Graphical user interface, text, application, email

Description automatically generated

1. There are 4 things that are the user is required to fill out at this point
   1. Line 22
      1. path\_name\_to\_folder<- c(‘ ‘)
         1. In between the quotation marks, put the pathname of the folder where the documents from Step 1 are located.
   2. Line 25
      1. Name\_of\_data\_file<- c( ‘ ‘)
         1. In between the quotation marks put the name of the file that was downloaded from the UserTesting website
   3. Line 28
      1. Name\_of\_cluster\_centroid\_file<- c(‘ ‘)
         1. In between the quotation marks put the name of the file that contains the centroid values
   4. Line 31
      1. Name\_of\_saving\_file<- c(‘ ‘)
         1. In between the quotation marks type the name that you would like for the file that contains the tech index group label and their overall tech score. DO NOT FORGET TO PUT .csv AT THE END OF THAT TITLE
2. After that you can either press CTL + ATL+ R or the arrow next to the ‘Run’ option in the ribbon at the top R studio and select the run all option.

Graphical user interface, application

Description automatically generated

1. Give everything a few minutes to run and a .csv file will appear in the same folder that you put on Line 22/Step 7