Questions for a COVID-era Lab 4

Please read through R Lab 4a, Making Data Files for R

The usual main part of the usual Lab 4 (which is contained in the file for Lab 4b online) is not possible without in-person, physically present activities. Therefore for this week there will be an alternate series of exercises to practice making data files.

Activity:

1. There are set of answered questionnaires available in a file "DataSheetsLab4.pdf". Open that file, and use these answer sheets to create a small data file to store the data captured there.

2. Use Excel or Google Sheets to create a .csv file that captures all of five of the variables for each of the individuals in the answer sheets. Be sure to use variable names that are legal in R and that are meaningful to another reader of the file.

3. Save the data file that you make.

4. Prepare a text file which describes each of the variables in the data file. Remember to list the meaning of each variable name, including units. The objective here is to provide a short document that another person could read to unambiguously interpret your data file.

5. Upload that data file into R, naming the result as *studentData*.

6. Run the summary() command to examine whether the data file seems to have the correct variables.

7. Use R to determine the mean height of the students in your data file.

8. Use the table() command in R to determine the number of left and right handed individuals in the data set.