

Week 2 Practice Activity

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Use comments in your script to make sections for each question and to give any written answers. Even though we give you some code and you could copy and paste it, try typing it out to practice!

1. Make a new script called “week2_practice” and save it in your week2 folder.
2. Check your working directory to make sure it is set to ../week2. If not, change your working directory to that location.
3. Read in the covid_attitudes.csv from the ../data directory. (*Don't forget to comment at the top and throughout to explain what you are doing*).
4. Look at the data and make sure it loaded correctly
 - a. Look at global environment
 - b. View()
 - c. str()
 - d. summary()
5. How many columns are in the data?
6. How many rows?
7. What do you think length(covid_attitudes) will tell you? Try it out: what does it tell you? Why do you think it tells you this?
8. Choose two columns you think should be factors and make them into factors.
9. Which columns have the most NAs? List the top 3.
10. On average, how likely do people think they are to catch covid-19?
11. How many types of living communities are there? And how many responses are there from each type of community?
12. Think of another question you can ask about the data and answer it.

Bonus practice: Accessing rows, columns, and cells

- We can access individual columns of by using the “dollar sign” notation
`df$colname`
- We can also access rows and columns by using bracket notation:
`df[row,col]`
 - To get a whole row: `df[row,]`
 - To get a whole column: `df[,col]`
 - To get an individual cell: `df[row,col]`
 - Columns can be the number or the name (in quotes!)

1. Look at participant 15's row of data.
2. Look at covid outbreak column of data (column 11).
3. How concerned is participant 15 about a covid outbreak?