## **Hands-On Activity: Create your own data frame**

**TOTAL POINTS 1**

1.

Question 1



This activity is focused on creating and using data frames in R. A data frame is a collection of columns containing data, similar to a spreadsheet or SQL table. Data frames are one of the basic tools you will use to work with data in R. And you can create data frames from different data sources.

### Working in RStudio Cloud



To start, log into your RStudio Cloud account. Then navigate to [this link](https://rstudio.cloud/project/2138069) and click on the following: Course 7 -> Week 3 -> Lesson2\_Dataframe.Rmd.

If you’re having trouble finding the correct activity, check out this [step-by-step guide](https://cursive.io/shared/28dc296d9-5515-41a9-9bf6-84369bd247e3) on how to navigate in RStudio Cloud. Make sure to select the correct R markdown (Rmd) file. The other Rmd files will be used in different activities.

Carefully read the instructions in the comments of the Rmd file and complete the exercise. Some steps may be as simple as running pre-written code, while others may require you to write your own functions. If you have trouble completing the exercise or don't know how to proceed, navigate to Course 7 -> Week 3 -> Solutions -> Lesson2\_Dataframe\_Solutions.Rmd in the exercise files.

### Reflection



Take a moment to reflect on working with data frames. What was the most challenging part? What did you enjoy most?

## Did you complete this activity?

**1 / 1 point**

Yes

No

**Correct**

Thank you for completing this activity! In this activity, you learned how to create data frames, view them with summary functions like head() and glimpse(), and then made changes with the mutate() function. You can continue practicing these skills by modifying the code chunks in the rmd file, or use this code as a starting point in your own project console. As you explore data frames, consider how they are similar and different to the tables you have worked with in other data analysis tools like spreadsheets and SQL. Data frames are one of the most basic building blocks you will need to work with data in R. So understanding how to create and work with data frames is an important first step to analyzing data.