

# Congratulations! You passed!

TO PASS 100% or higher

Keep Learning

GRADE  
100%

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

TOTAL POINTS 1

1.



1 / 1 point

### Activity overview

Earlier, you learned about data frames. In this activity, you will create and use data frames in R.

As a refresher, 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.

By the time you complete this activity, you will be able to create data frames with the `data.frame()` function and use data frames to complete tasks in R. This will enable you to summarize and organize data in R, which will help give your R analyses more structure as you complete more advanced data analysis tasks.

### Working in RStudio Cloud

To start, log into your RStudio Cloud account and open the project with [this link](#). Navigate to the file explorer in the bottom right and click on the following: **Course 7 -> Week 3 -> Lesson2\_Dataframe.Rmd**.

If you have trouble finding the correct activity, check out this [step-by-step guide](#) 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.

If you are using RStudio Desktop, you can download the Rmd file and the data for this activity directly here:

Lesson2\_Dataframe.Rmd

hotel\_bookings.csv

You can also find the Rmd file with the solutions for this activity here:

Lesson2\_Dataframe\_Solutions.Rmd

Carefully read the instructions in the comments of the Rmd file and complete each step. Some steps may be as simple as running pre-written code, while others may require you to write your own functions. After you finish the steps in the Rmd file, return here to confirm that your work is complete.

## Confirmation

---

Which summary functions can you use to preview data frames in R? Select all that apply.

☒ head()

✓ **Correct**

The head(), glimpse(), and str() summary functions allow you to preview data frames in R. The head() function returns the columns and the first several rows of data. The mutate() function lets you change the data frame, not preview it. Going forward, you can use summary functions to inspect the data frames you create in your career as a data analyst.

☐ mutate()

☒ str()

✓ **Correct**

The head(), glimpse(), and str() summary functions allow you to preview data frames in R. The head() function returns the columns and the first several rows of data. The mutate() function lets you change the data frame, not preview it. Going forward, you can use summary functions to inspect the data frames you create in your career as a data analyst.

☒ glimpse()

✓ **Correct**

The head(), glimpse(), and str() summary functions allow you to preview data frames in R. The head() function returns the columns and the first several rows of data. The mutate() function lets you change the data frame, not preview it. Going forward, you can use summary functions to inspect the data frames you create in your career as a data analyst.