Activity overview

In previous activities, you learned about and worked with ggplot2, an R package for data visualization. In this activity, you'll follow through a scenario and continue to apply ggplot2 to tailor aesthetic features of visualizations.

By the end of this activity, you will be able to use R to create bar charts, update chart labels, and customize the aesthetics of a visualization by specific criteria. This will enable you to make more complex visualizations to demonstrate your findings.

Working in RStudio Cloud

To start, log in to 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 4 -> Lesson3_Aesthetics.Rmd.

The .csv file that you will need, hotel_bookings.csv, is also located in this folder.

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:

Lesson3_Aesthetics
RMD File

hotel_bookings
CSV File

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

Lesson3_Aesthetics
RMD File

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.

Note: In Step #6 of the .RMD exercise attachment, be sure to add the chart variable name deposit_type within the facet_wrap function parentheses. Your code lines should look like this in your R editor:

```
{r creating a plot}

ggplot(data = hotel_bookings) +

geom_bar(mapping = aes(x = distribution_channel)) +

facet_wrap(~deposit_type)
```

Confirmation

Based on the bar chart you created in Step 4, which distribution type has the most number of bookings?

- ○ Direct
- ○ Corporate
- ○ TA/TO
- ○ GDS