Exercises

1. Exercise 1

For this and the following questions, Save tha attatch data.csv file. Make sure you import your data into your notebook first.

You are working as an analyst for Airbnb, and for starters they would like to understand, per **neighbourhood\_group**:

* + How many listings are available?
  + What is the average price per night?
  + What is the standard deviation of the price?
  + Where does it stand in comparison to the overall city stats?

Create the appropriate pivot table.

What are you conclusions?

visibility Show solution

1. Exercise 2

Use a pivot table to show the mean price per listing, by neighborhood group and room type, with a comparison to the overall means. Round the results.

* + Which room type & location would be, on average, the cheapest?
  + Which combination would be the most expensive?

visibility Show solution

1. Exercise 3

One of your colleagues claims that in neighborhoods with a lower minimum nights requirement, the room availability is higher (on average).

Create a pivot table that shows the mean minimum nights and availability, per neighborhood group, to examine this claim.

1. Exercise 4

The colleague is now claiming that you should check the above question again, but this time use the median, since the mean is easily affected by extreme values.

Create the pivot table. Did your answer change?

ראש הטופס