

## Problem definition

We have a data set with booking information, and we'd like you to help us better understand our business.

You can download the data set here:

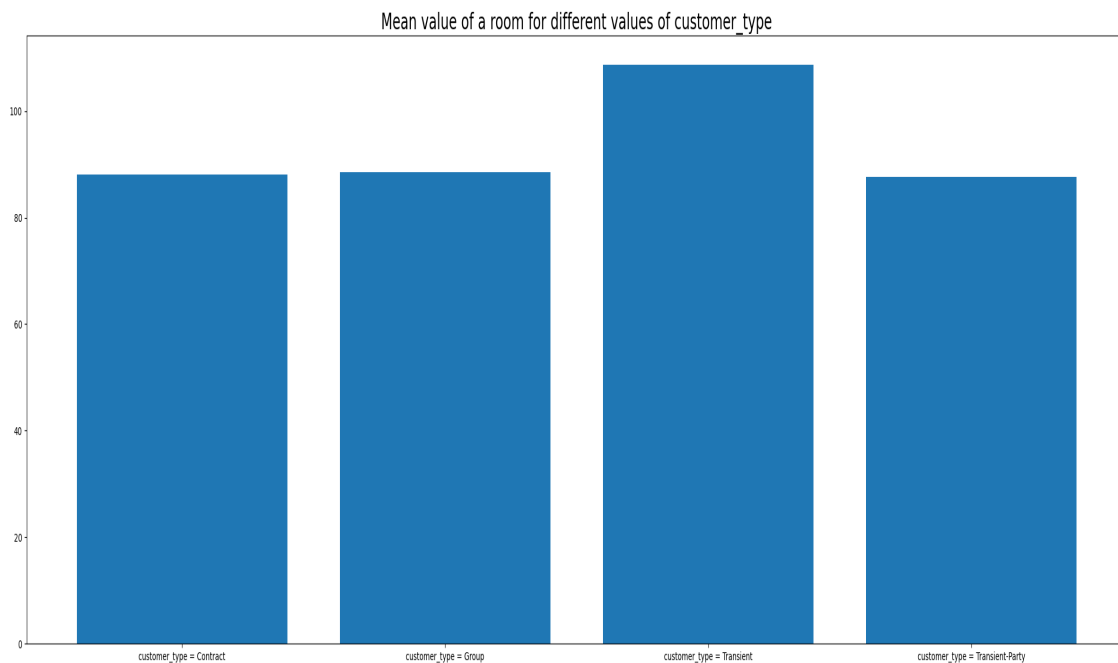
[https://d3ony5rmo3oa45.cloudfront.net/careers/data\\_take\\_home\\_bookings.zip](https://d3ony5rmo3oa45.cloudfront.net/careers/data_take_home_bookings.zip)

This is what we want to know about the data:

### 1. What are the most popular guest origin countries?

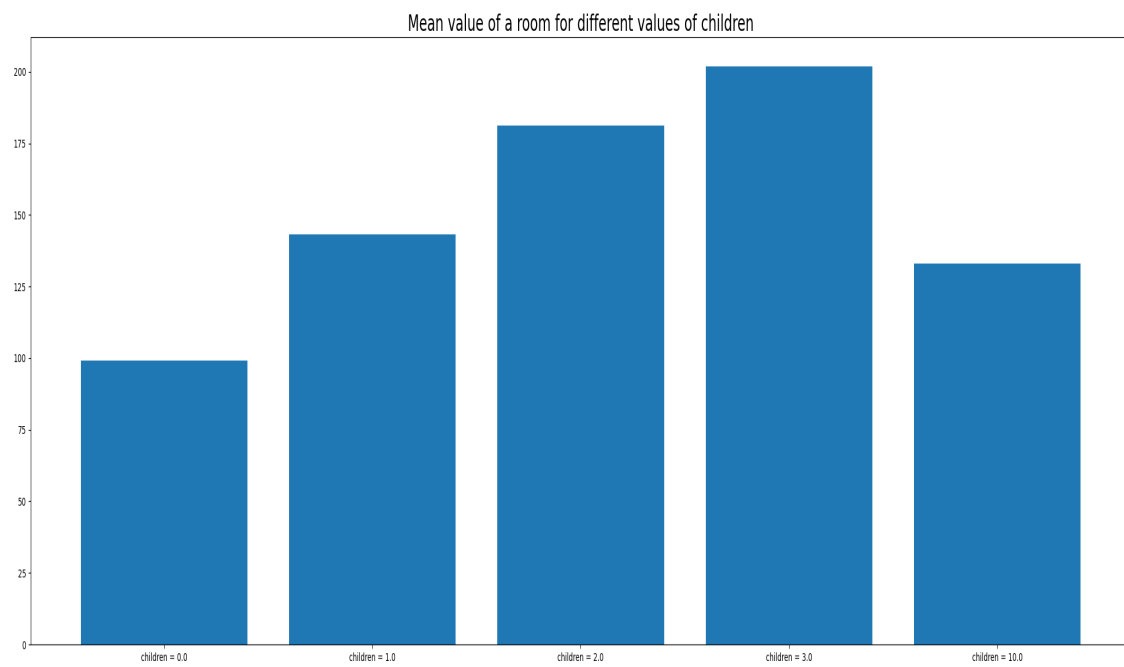
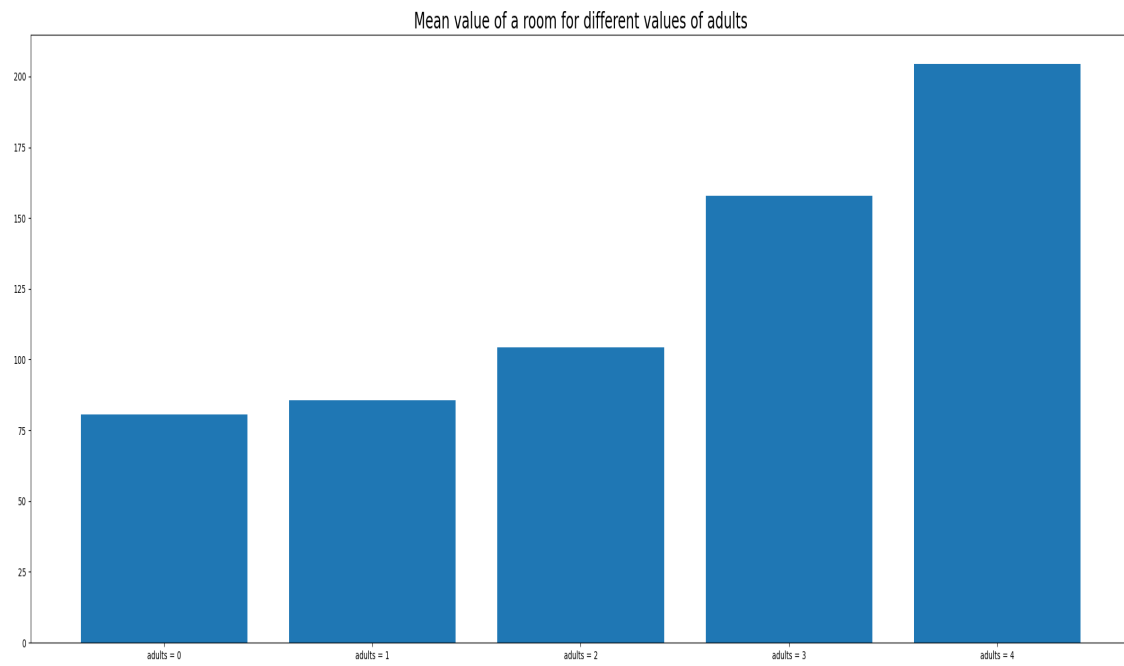
The most popular guest origin countries are : ['Somalia', 'Tonga', 'Gambia', 'Wallis and Futuna', 'Germany']

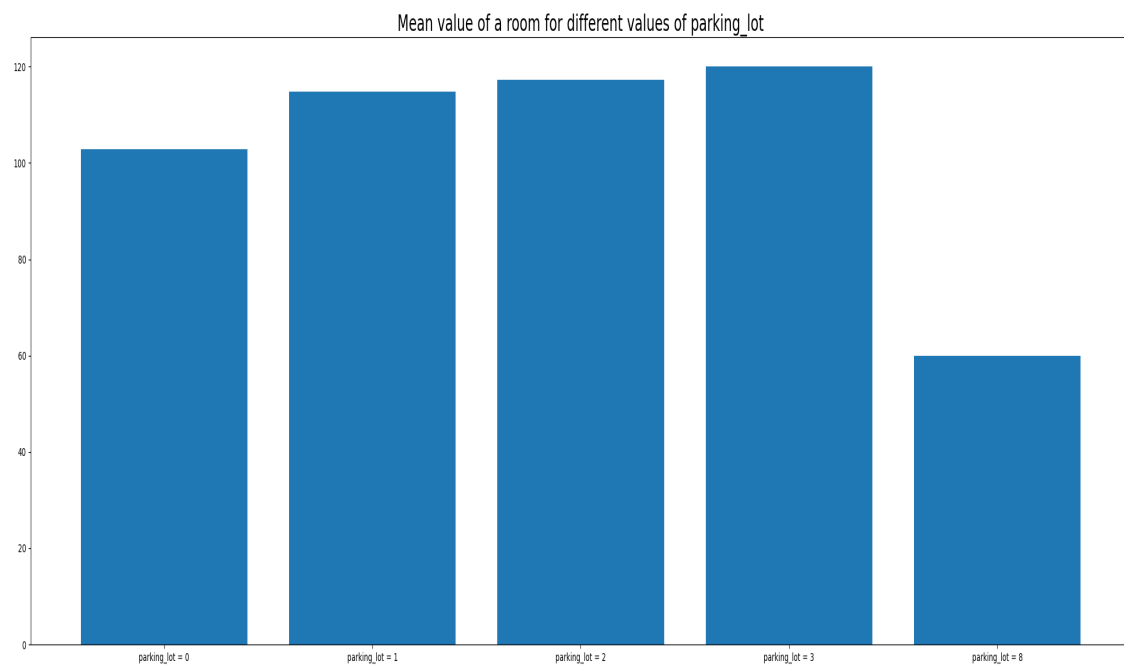
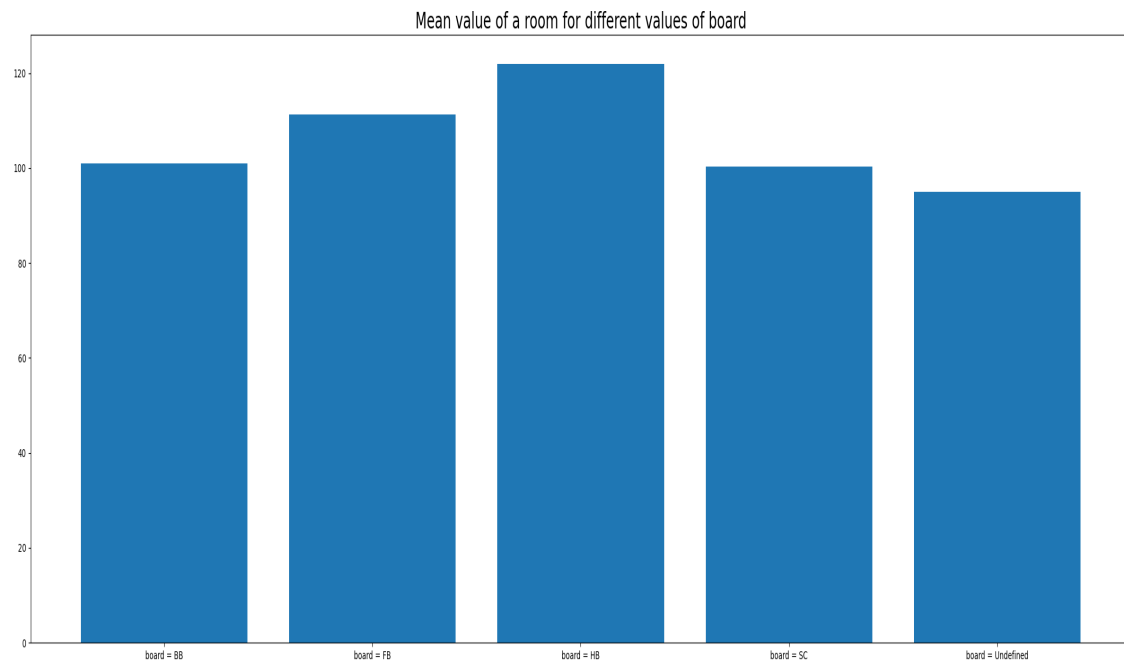
The next table let us compare the type of clients from the 5 most popular guests origin countries.

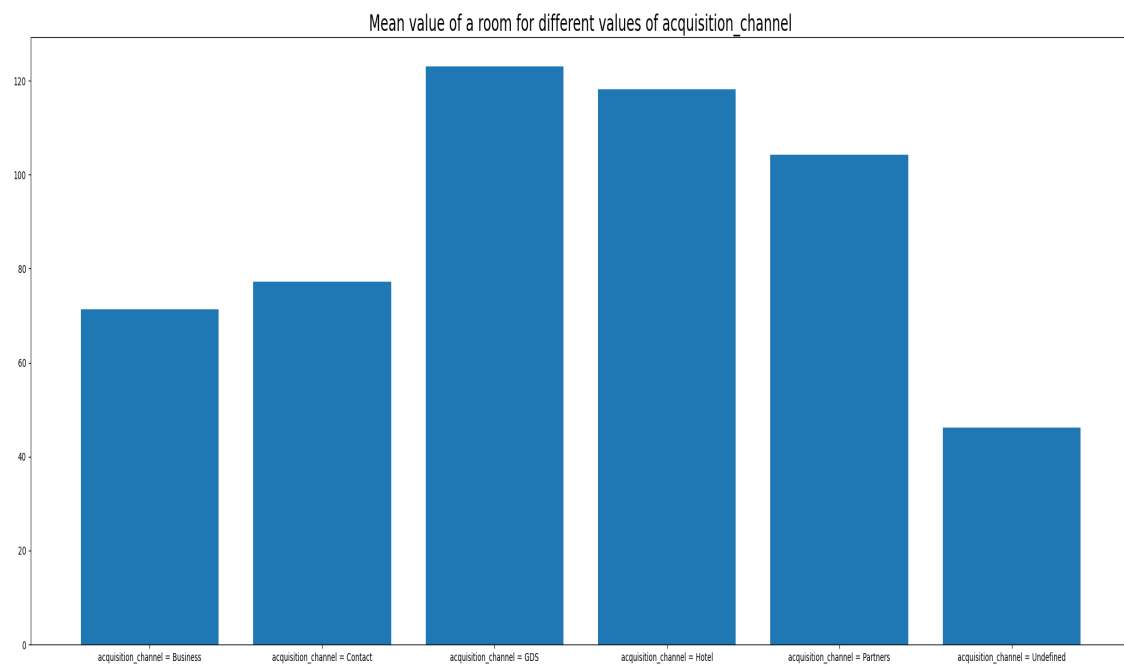
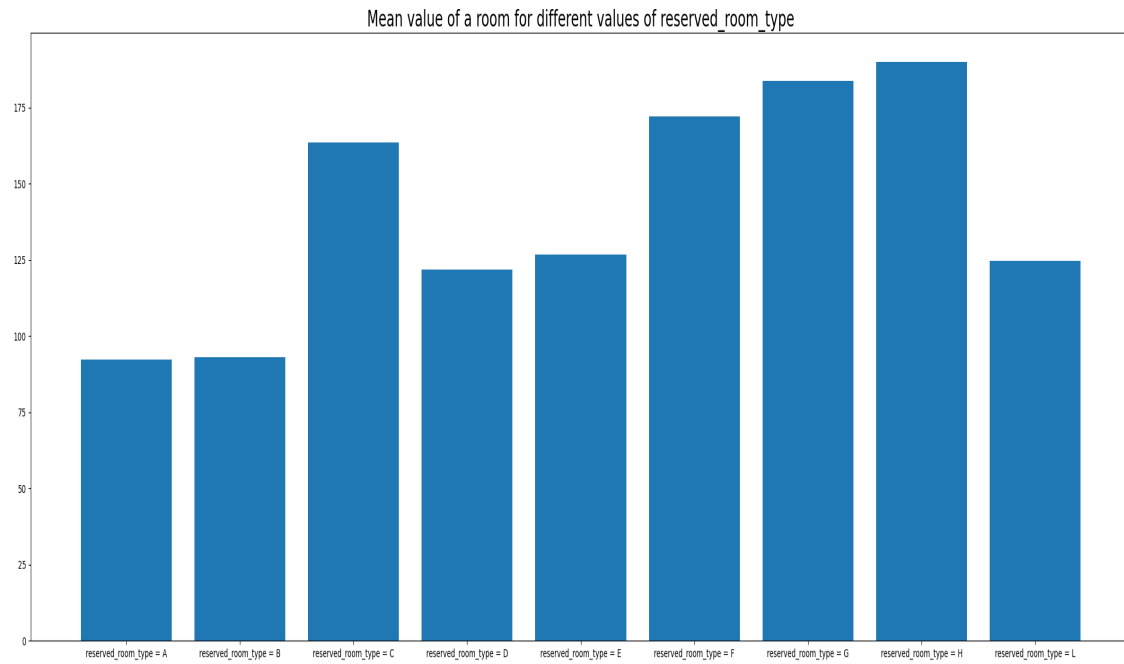


### 2. What is the room price per night?

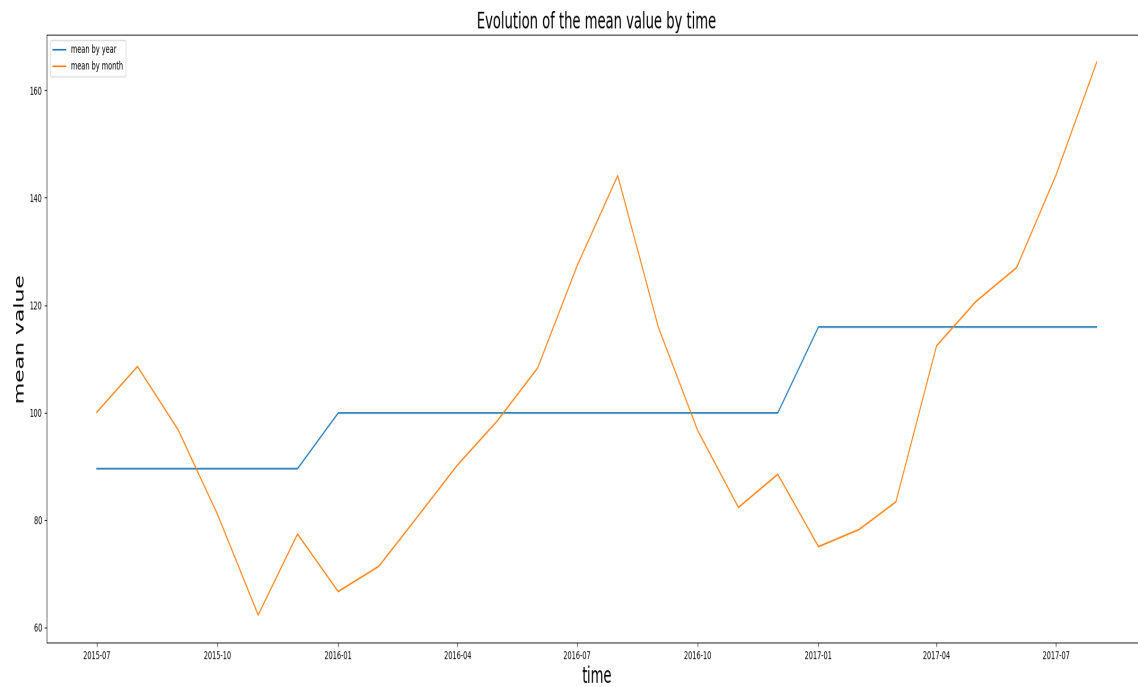
The mean value of a room is 103.53



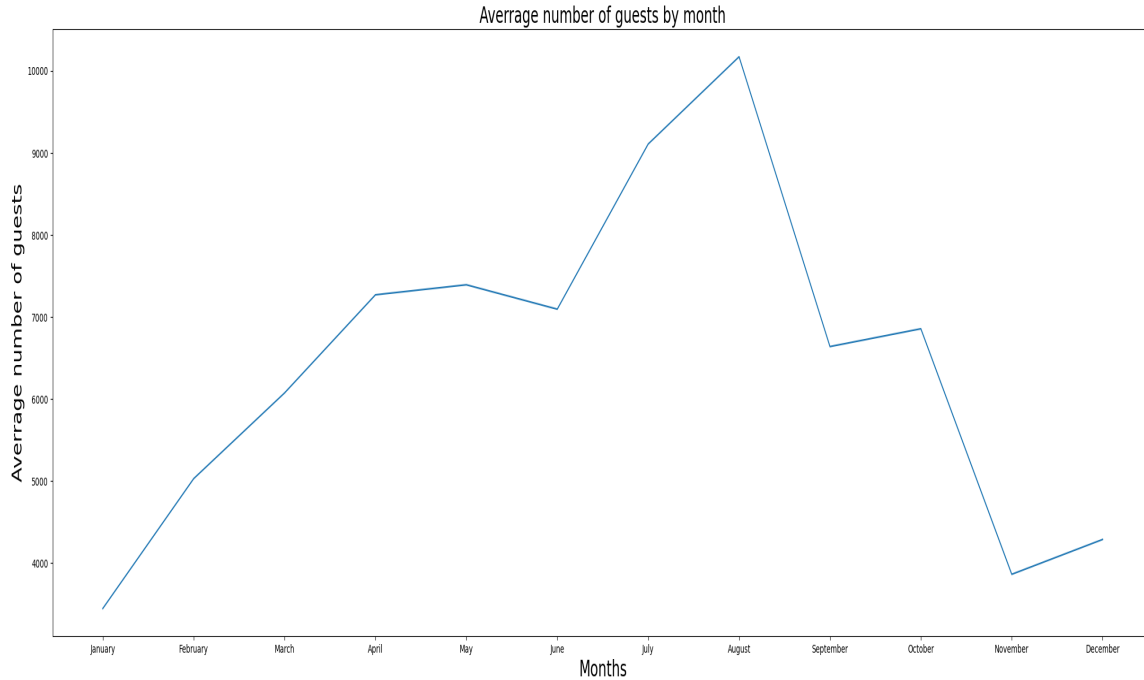




### 3. How does the previous price vary throughout the year?



#### 4. What is the distribution of guests per month?



#### 5. For how long do guests book their stays?

**Our clients have to wait a medium of 2 days till the booking request is confirmed**

**The time between the booking date and the arrival date is an average of 80 days.**

**The most comon booking request is from 2 persos for 3 nights.**