NewYears

2023-03-01

Setup

Load packages

Input Load the data

Subset of the listings dataset for all cities

Transformation Summary statistics on the price of the cities for the listings dataset

```
## 1: Amsterdam
                      20
                           208.9832
                                          999
## 2:
      London
                       7
                           139.4911
                                          999
## 3:
                          143.2158
                                          999
         Paris
                       8
## 4:
          Rome
                       9
                           122.0354
                                          999
```

Summary statistics for beds per city

```
## Summary statistics for Amsterdam
## Beds
##
     Min. 1st Qu. Median
                             Mean 3rd Qu.
                                                     NA's
                                             Max.
                   1.000
                                                       91
##
    1.000
           1.000
                            1.873
                                    2.000 33.000
## Summary statistics for London
## Beds
##
     Min. 1st Qu. Median
                             Mean 3rd Qu.
                                                     NA's
                                             Max.
    1.000
           1.000
                   1.000
                            1.768 2.000 45.000
                                                     1180
## Summary statistics for Paris
## Beds
```

```
##
      Min. 1st Qu. Median
                              Mean 3rd Qu.
                                                       NA's
           1.000
                                      2.000 90.000
##
     1.000
                     1.000
                             1.713
                                                        769
## Summary statistics for Rome
## Beds
##
      Min. 1st Qu.
                    Median
                              Mean 3rd Qu.
                                               Max.
                                                       NA's
##
      1.00
              1.00
                      2.00
                               2.24
                                       3.00
                                              24.00
                                                        339
```

Subset of the calendar dataset for all cities

Output

##

Number of available rooms per city between the 5th of December 2022 and the 4th of December 2023

```
## ## Amsterdam London Paris Rome
## available 575071 8090743 5704653 4923682
## unavailable 1910214 18165561 14405032 3968817
```

Number of rooms types per city

##					
##		${\tt Amsterdam}$	London	${\tt Paris}$	Rome
##	Entire home/apt	4910	43076	46785	16542
##	Hotel room	62	221	985	712
##	Private room	1798	28258	7048	6992
##	Shared room	39	383	286	137

Percentage number of rooms in Amsterdam

```
## ## Entire home/apt Hotel room Private room Shared room ## 0.721104421 0.009105596 0.264062271 0.005727713
```

Percentage number of rooms in London

##	Entire home/apt	Hotel room	Private room	Shared room
##	0.598793405	0.003072090	0.392810476	0.005324029

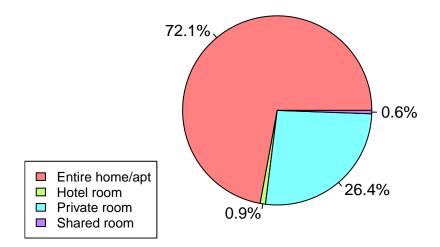
Percent number of rooms in Paris

##				
##	Entire home/apt	Hotel room	Private room	Shared room
##	0.849030923	0.017875290	0.127903600	0.005190186

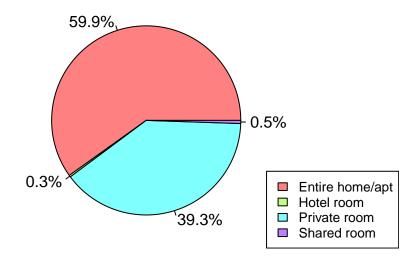
Percent number of rooms in Rome

##				
##	Entire home/apt	Hotel room	Private room	Shared room
##	0.678423492	0.029200673	0.286757167	0.005618669

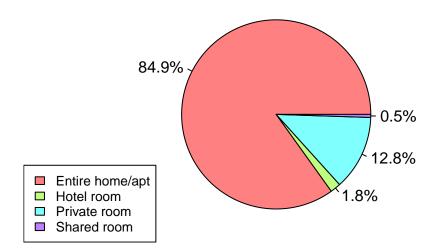
Airbnb room types offered in Amsterdam



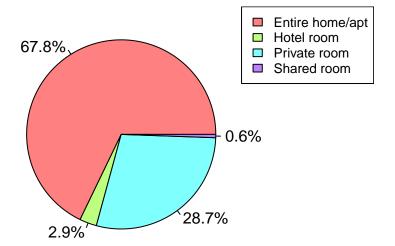
Airbnb room types offered in London

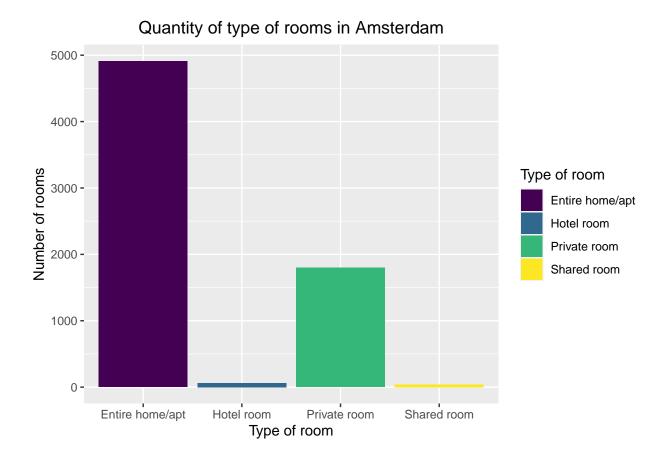


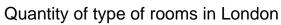
Airbnb room types offered in Paris

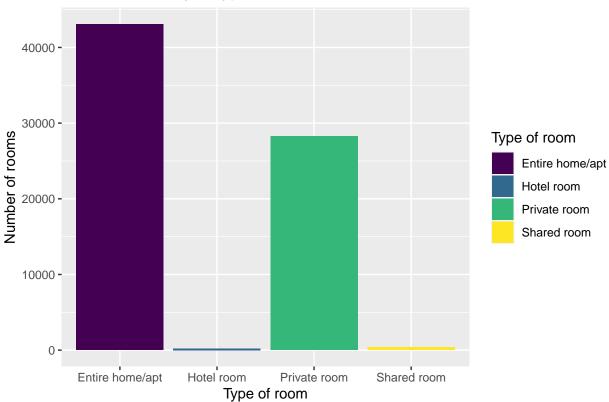


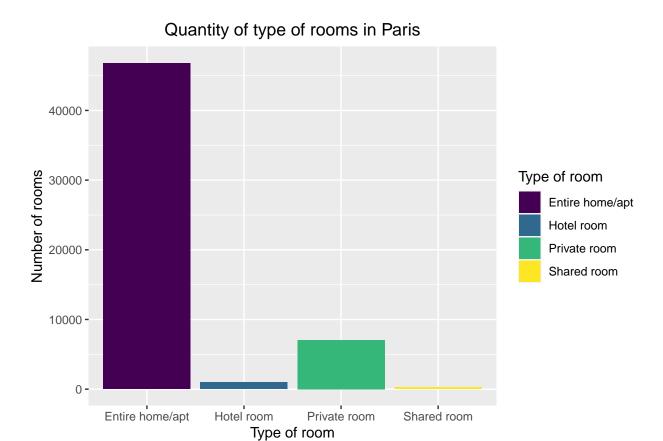
Airbnb room types offered in Rome



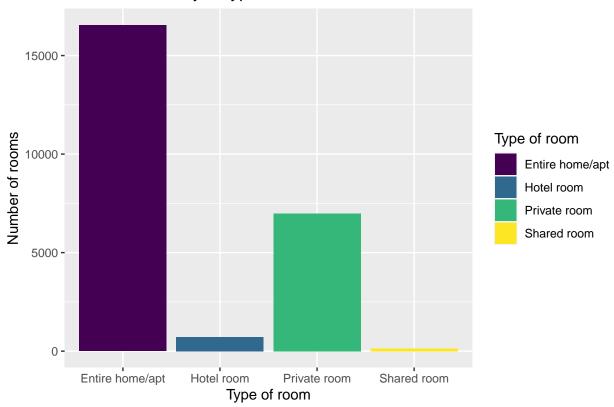




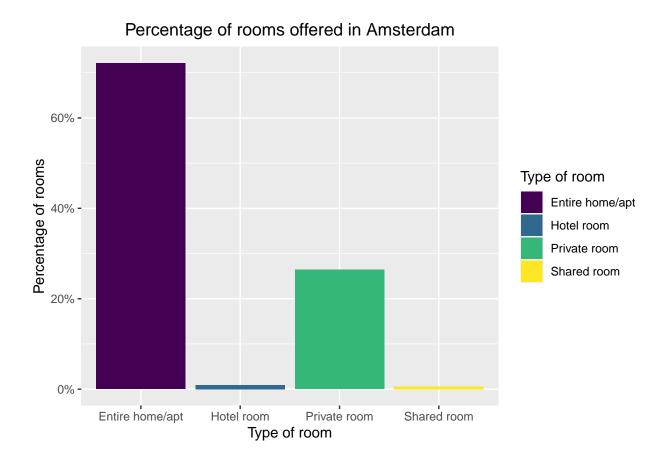


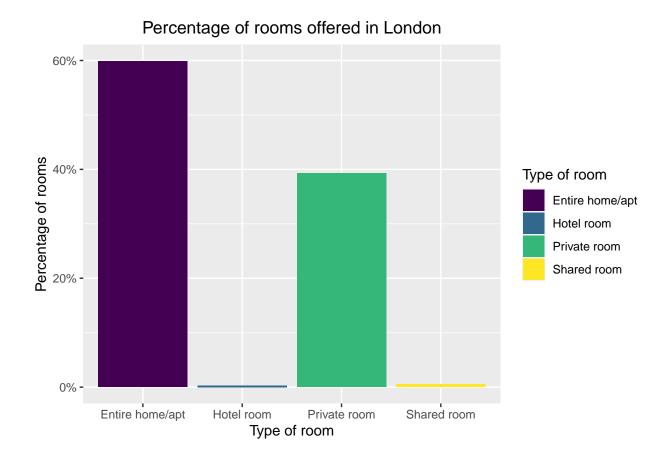


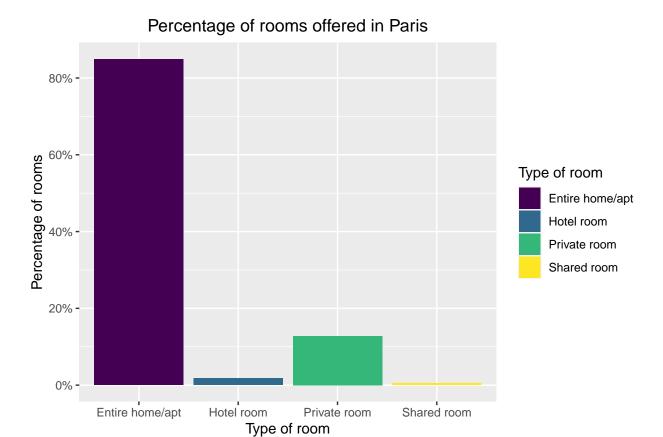
Quantity of type of rooms in Rome

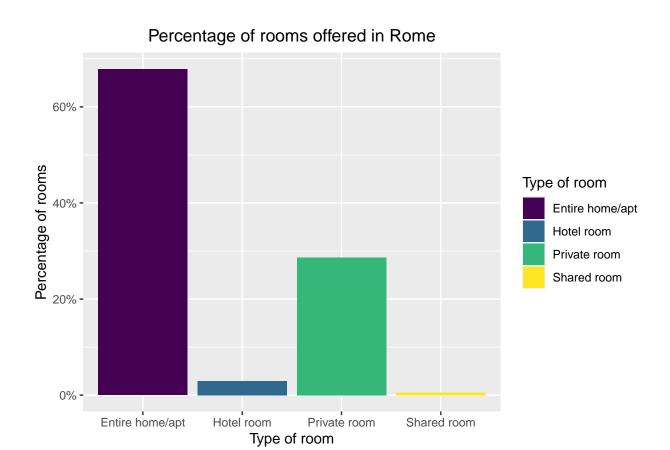


Warning: The dot-dot notation ('..count..') was deprecated in ggplot2 3.4.0.
i Please use 'after_stat(count)' instead.









Number and type of rooms comparison between the cities

