Data exploration Airbnb Valentine's Day

2022-09-28

```
summary(list_mad$beds)
```

```
##    Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
##       1       1       2       2       2      23     863
```

```
summary(list_mad$room_type)
```

```
##    Length     Class      Mode
##     17831 character character
```

```
summary(list_mad$price)
```

```
##    Length     Class      Mode
##     17831 character character
```

```
summary(list_par$beds)
```

```
##    Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
##   1.000   1.000   1.000   1.729   2.000  90.000    1944
```

```
summary(list_par$room_type)
```

```
##    Length     Class      Mode
##     49429 character character
```

```
summary(list_par$price)
```

```
##    Length     Class      Mode
##     49429 character character
```

```
summary(list_rom$beds)
```

```
##    Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
##   1.000   1.000   2.000   2.276   3.000  30.000    1124
```

```
summary(list_rom$room_type)
```

```
##    Length     Class      Mode
##     24626 character character
```

```
summary(list_rom$price)
```

```
##    Length    Class     Mode
##    24626 character character
```

Number of rooms per city

```
##
##                   Madrid Paris  Rome
##   Entire home/apt  10846 40917 15873
##   Hotel room         153  1151   964
##   Private room      6594  7039  7650
##   Shared room        238   322   139
```

Percentage number of rooms in Madrid

```
##
## Entire home/apt      Hotel room     Private room     Shared room
##     0.608266502     0.008580562     0.369805395     0.013347541
```
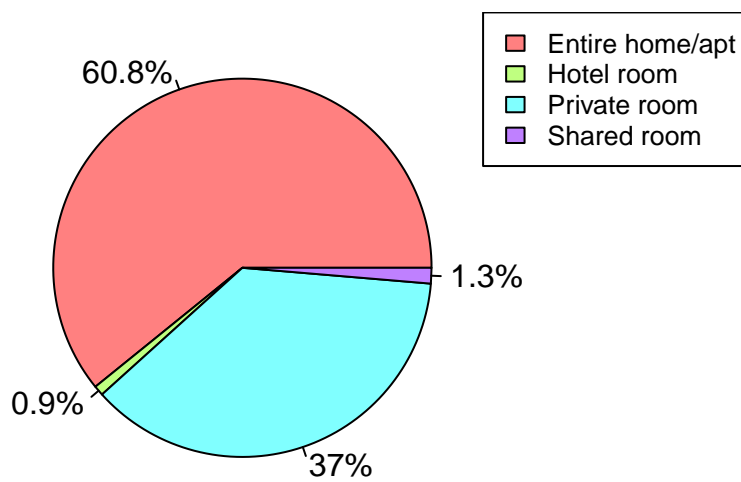
Percentage number of rooms in Paris

```
##
## Entire home/apt      Hotel room     Private room     Shared room
##     0.827793401     0.023285925     0.142406280     0.006514394
```
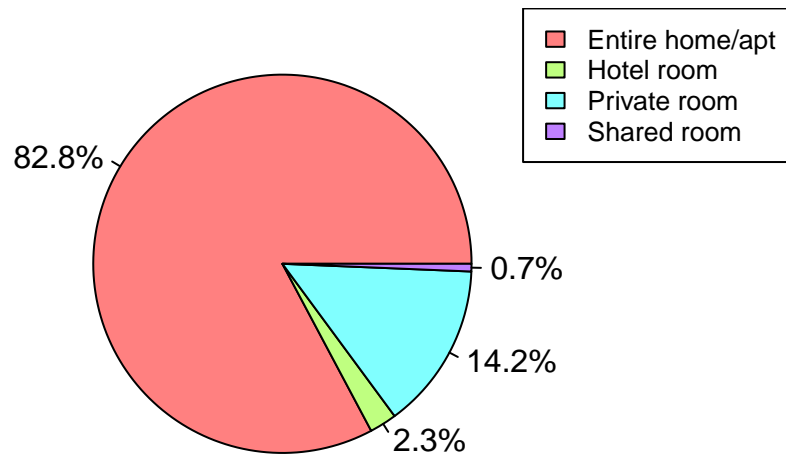
Percentage number of rooms in Rome

```
##
## Entire home/apt      Hotel room     Private room     Shared room
##     0.644562657     0.039145618     0.310647283     0.005644441
```

Madrid pie chart

Legend:
- Entire home/apt
- Hotel room
- Private room
- Shared room

60.8%

1.3%

0.9%

37%

Paris pie chart

82.8%

0.7%

14.2%

2.3%

Legend:
- Entire home/apt
- Hotel room
- Private room
- Shared room

Rome pie chart

64.5%

3.9%

31.1%

0.6%

- Entire home/apt
- Hotel room
- Private room
- Shared room

Madrid

Madrid

Paris

Rome