

Procedure

Characteristics of
vacation rentals

How can listings be
improved

LISTINGS OF VACATION RENTALS IN THE LISBON DISTRICT

How do we get the data?

1. We choose the site from where we want to scrape the listings

We chose Imovirtual and found 69 distinct listings

2. We scrape the data of each listing

We used Python and the BeautifulSoup library

3. We compile the data of each listing

We used Python and the Pandas library

How do we analyse the data?

1. We do an exploratory analysis

We used Tableau to chart the type of properties,
number of rooms, and location of properties

2. We analyse the features listed for each rental

We used Tableau to create a butterfly chart

3. We draw conclusions

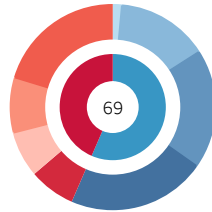
We concluded that most rentals are located in Mafra and
that listings can be improved by adding information about
existing features

Source: imovirtual.com

Dataset: github.com/fmsrosa/scraped_listings/blob/main/after_tableau_prep.csv

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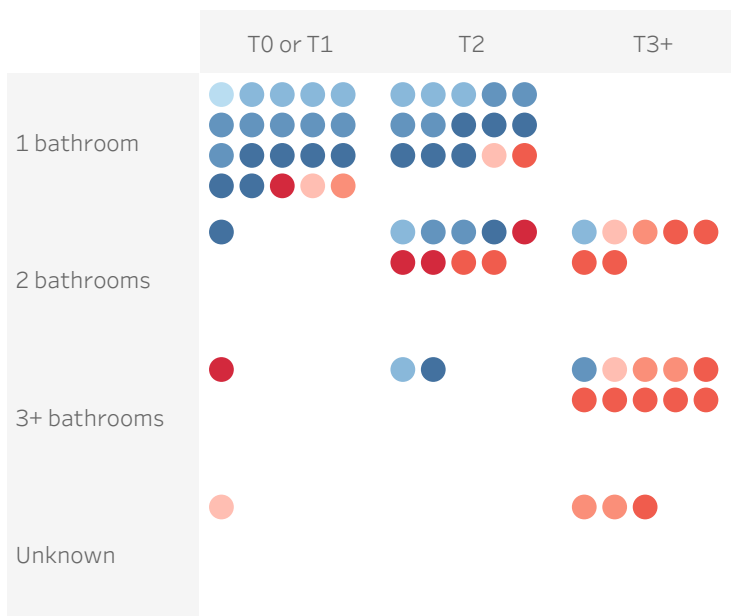
What type of properties and in which conditions are the rentals?



Apartments are more frequently listed for vacation rentals than homes.

Most of the listings are used.

How big are the vacation rentals listed?



Homes tend to have more rooms than apartments.

Newer properties, either apartments or homes, tend to have less rooms.

Some listings of homes do not refer the number of bathrooms.

Source: imovirtual.com

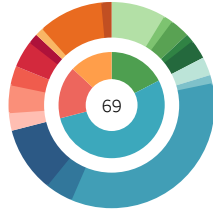
Dataset: github.com/fmsrosa/scraped_listings/blob/main/after_tableau_prep.csv.

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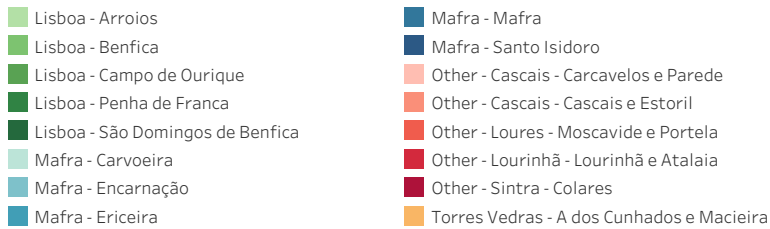
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Where are the listed vacation rentals?

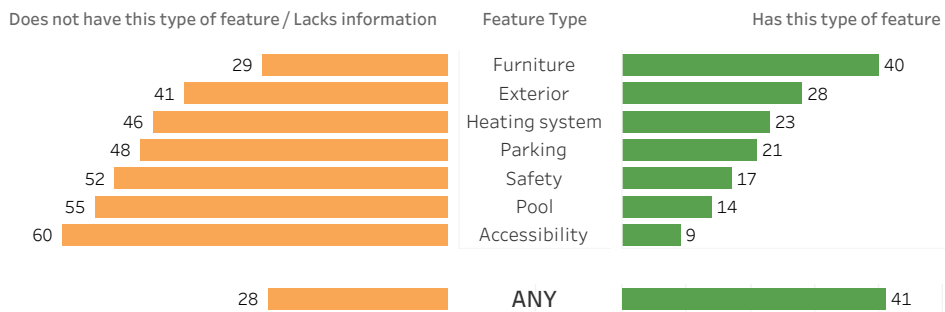


Most vacation rentals are located in Mafra.



The other listings are distributed by Lisboa, Torres Vedras and other municipalities.

What types of features are listed?



Based on the listings, 28 out of 69 vacation rentals do not have any features. That is a quite high number.

By checking the photos and descriptions listed, we confirmed that some of these features exist but are not listed.

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