

Informe Inmobiliario

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Este informe fue creado en la clase de Introducción a la Ciencia de Datos Geograficos.

Organización y limpieza de datos

```
library(sf)
```

```
## Linking to GEOS 3.10.2, GDAL 3.4.1, PROJ 8.2.1; sf_use_s2() is TRUE
```

```
library(tmap)
```

```
## The legacy packages mapproj, rgdal, and rgeos, underpinning this package  
## will retire shortly. Please refer to R-spatial evolution reports on  
## https://r-spatial.org/r/2023/05/15/evolution4.html for details.  
## This package is now running under evolution status 0
```

```
library(tidyverse)
```

```
## -- Attaching core tidyverse packages ----- tidyverse 2.0.0 --  
## v dplyr      1.1.2      v readr      2.1.4  
## v forcats    1.0.0      v stringr   1.5.0  
## v ggplot2    3.4.2      v tibble    3.2.1  
## v lubridate  1.9.2      v tidyr     1.3.0  
## v purrr      1.0.1
```

```
## -- Conflicts ----- tidyverse_conflicts() --  
## x dplyr::filter() masks stats::filter()  
## x dplyr::lag()     masks stats::lag()  
## i Use the conflicted package (<http://conflicted.r-lib.org/>) to force all conflicts to become errors
```

```
library(dbscan)
```

```
##  
## Attaching package: 'dbscan'  
##  
## The following object is masked from 'package:stats':  
##  
## as.dendrogram
```

```

datos <- read_csv("./Datos/AirbnbRJRentals_modificado.csv")

## Rows: 27507 Columns: 16
## -- Column specification -----
## Delimiter: ","
## chr   (4): name, host_name, neighbourhood, room_type
## dbl  (11): id, host_id, latitude, longitude, price, minimum_nights, number_o...
## date  (1): last_review
##
## i Use 'spec()' to retrieve the full column specification for this data.
## i Specify the column types or set 'show_col_types = FALSE' to quiet this message.

airbnb <- st_as_sf(
  datos,
  coords = c("longitude", "latitude"),
  crs=4326)

airbnb <- st_transform(airbnb, 32723)

copacabana <- airbnb %>% filter(
  neighbourhood %in% c("Copacabana", "Leme"),
  room_type == "Entire home/apt")

tm_shape(copacabana) +
  tm_dots()

```

