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 maptools, 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 ──  
## ✔ dplyr 1.1.2 ✔ readr 2.1.4  
## ✔ forcats 1.0.0 ✔ stringr 1.5.0  
## ✔ ggplot2 3.4.2 ✔ tibble 3.2.1  
## ✔ lubridate 1.9.2 ✔ tidyr 1.3.0  
## ✔ purrr 1.0.1

## ── Conflicts ────────────────────────────────────────── tidyverse\_conflicts() ──  
## ✖ dplyr::filter() masks stats::filter()  
## ✖ 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()

