CU45_MODEL_DEVELOPMENT_04_EJEMPLO_MAPA

June 13, 2023

#

CU45_Planificación y promoción del destino en base a los patrones en origen de los turistas

1 IV. Model development

En este anexo se incluye el código utilizado durante el desarrollo de los modelos incluidos en el caso de uso.

1.1 Modelo REGRESION

1.1.1 Encoding

```
[1]: Sys.setlocale(category = "LC_ALL", locale = "es_ES.UTF-8")
```

'es_ES.UTF-8/es_ES.UTF-8/es_ES.UTF-8/C/es_ES.UTF-8/C'

1.1.2 Ejemplo

```
[2]: library(readr)
     library(dplyr)
     library(mapSpain)
     library(sf)
     library(leaflet)

     interno_muni <- read_csv("CU_45_05_05_interno_mun.csv")

     sfmuni <- esp_get_munic()

     dfmap <- sfmuni |>
       inner_join(interno_muni,
                  by = c("LAU_CODE" = "mun_orig_cod")) |>
       filter(mes == "2022-01")

     mapa <- dfmap |>
       leaflet() |>
       addTiles() |>
       addPolygons(fill = ~turistas, weight = 1)
```

```
Attaching package: 'dplyr'


The following objects are masked from 'package:stats':

    filter, lag


The following objects are masked from 'package:base':

    intersect, setdiff, setequal, union


Linking to GEOS 3.10.2, GDAL 3.4.2, PROJ 8.2.1; sf_use_s2() is TRUE

Rows: 79246 Columns: 10
  Column specification

Delimiter: ","
chr (7): mes, mun_orig_cod, mun_orig, dest, prov_orig_cod, prov_orig,
prov_dest
dbl (3): dest_cod, turistas, prov_dest_cod

  Use `spec()` to retrieve the full column specification for this
data.
  Specify the column types or set `show_col_types = FALSE` to quiet
this message.
Warning message in sf_column %in% names(g):
"Each row in `x` is expected to match at most 1 row in `y`.
  Row 3 of `x` matches multiple rows.
  If multiple matches are expected, set `multiple = "all"`` to silence
this
  warning."
Warning message:
"sf layer has inconsistent datum (+proj=longlat +ellps=GRS80
+towgs84=0,0,0,0,0,0,0 +no_defs).
Need '+proj=longlat +datum=WGS84'"
```

[3]: `print(mapa)`