

R Markdown and Leaflet

Peer-graded Assignment

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```
# Cargar Librerías
library(dplyr)
library(leaflet)
library(readxl)
```

We want to represent where the meteorological stations are located in Spain.

We download an Excel where they identify their location in both latitude and longitude.

```
Estaciones <- read_excel("ListadoEstaciones-20190206.xlsx", sheet = "Estaciones")
head(Estaciones)
```

```
# A tibble: 6 x 7
  Cod1  Cod2 Población      Provincia Cod3  lat  lng
  <chr> <dbl> <chr>          <chr>      <dbl> <dbl> <dbl>
1 1387E  8002 A CORUÑA AEROPUERTO A CORUÑA    98  43.2 -8.22
2 1387   8001 A CORUÑA      A CORUÑA    58  43.2 -8.25
3 1393   8006 CABO VILAN    A CORUÑA    50  43.1 -9.12
4 1351   8004 ESTACA DE BARES A CORUÑA    80  43.5 -7.41
5 1400   8040 FISTERRA      A CORUÑA   230  42.6 -9.17
6 14370  8043 MONTE IROITE      A CORUÑA   685  42.4 -8.55
```

Through the “leaflet” library we can see where the weather stations are located.

We group them using “clusterOptions” so that it can be displayed in a more elegant way.

```
Estaciones %>%
  leaflet() %>%
  addTiles() %>%
  addMarkers(popup = Estaciones$Población,
            clusterOptions = markerClusterOptions())
```





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