[Workspace loaded from ~/.RData]

> library(readxl)

> library(dplyr)

Caricamento pacchetto: ‘dplyr’

I seguenti oggetti sono mascherati da ‘package:stats’:

filter, lag

I seguenti oggetti sono mascherati da ‘package:base’:

intersect, setdiff, setequal, union> install.packages("tidygeocoder")

WARNING: Rtools is required to build R packages but is not currently installed. Please download and install the appropriate version of Rtools before proceeding:

https://cran.rstudio.com/bin/windows/Rtools/

Installazione pacchetto in ‘C:/Users/etrevisan/AppData/Local/R/win-library/4.4’

(perché ‘lib’ non è specificato)apertura URL 'https://cran.rstudio.com/bin/windows/contrib/4.4/tidygeocoder\_1.0.6.zip'

Content type 'application/zip' length 425723 bytes (415 KB)

downloaded 415 KB

pacchetto ‘tidygeocoder’ aperto con successo con controllo somme MD5

I pacchetti binari scaricati sono in

C:\Users\etrevisan\AppData\Local\Temp\RtmpEBliTy\downloaded\_packages

> library(tidygeocoder)

> library(leaflet)

> install.packages("countrycode")

WARNING: Rtools is required to build R packages but is not currently installed. Please download and install the appropriate version of Rtools before proceeding:

https://cran.rstudio.com/bin/windows/Rtools/

Installazione pacchetto in ‘C:/Users/etrevisan/AppData/Local/R/win-library/4.4’

(perché ‘lib’ non è specificato)apertura URL 'https://cran.rstudio.com/bin/windows/contrib/4.4/countrycode\_1.6.1.zip'

Content type 'application/zip' length 1260929 bytes (1.2 MB)

downloaded 1.2 MB

pacchetto ‘countrycode’ aperto con successo con controllo somme MD5

I pacchetti binari scaricati sono in

C:\Users\etrevisan\AppData\Local\Temp\RtmpEBliTy\downloaded\_packages

> library(countrycode)

> df <- read\_excel("geograph.xlxs, sheet = 2")

 Show Traceback

 Rerun with Debug

Errore: `path` does not exist: ‘geograph.xlxs, sheet = 2’

> df <- read\_excel("geograph.xlxs, sheet = 2")

 Show Traceback

 Rerun with Debug

Errore: `path` does not exist: ‘geograph.xlxs, sheet = 2’

> df <- read\_excel("geograph.xlsx, sheet = 2")

 Show Traceback

 Rerun with Debug

Errore: `path` does not exist: ‘geograph.xlsx, sheet = 2’

> df <- read\_excel("C:/Users/etrevisan/Documents/your\_file.xlsx", sheet = 2)

 Show Traceback

 Rerun with Debug

Errore: `path` does not exist: ‘C:/Users/etrevisan/Documents/your\_file.xlsx’

> df <- read\_excel("C:/Users/etrevisan/Documents/geograph.xlsx", sheet = 2)

>

> head(df)

# A tibble: 6 × 2

Partner Country

*<chr>* *<chr>*

1 Deutsches Zentrum für Luft- und Raumfahrt EV Germany

2 Simula Research Laboratory Norway

3 EODC EARTH OBSERVATION DATA CENTREFOR WATER RESOURCES MONITORING GMBH Austria

4 Brockmann Consult GmbH Germany

5 IFREMER France

6 SkyLabs d.o.o Slovenia

> country\_counts <- df %>%

+ group\_by(Country) %>%

+ summarise(Partners = n()) %>%

+ ungroup()

> # Convert country names to ISO codes

> country\_counts$iso3 <- countrycode(country\_counts$Country, origin = 'country.name', destination = 'iso3c')

>

> # Load built-in country centroids

> data("countriesLow", package = "rworldmap")

 Show Traceback

 Rerun with Debug

Errore in find.package(package, lib.loc, verbose = verbose) :

non c'è alcun pacchetto chiamato ‘rworldmap’

> library(rnaturalearth)

> library(sf)

Linking to GEOS 3.13.0, GDAL 3.10.1, PROJ 9.5.1; sf\_use\_s2() is TRUE> world <- ne\_countries(scale = "medium", returnclass = "sf")

The rnaturalearthdata package needs to be installed.Install the rnaturalearthdata package?

1: Yes

2: No

Selezione:

Digita una voce dal menu, o 0 per uscire

Selezione: 1

Installing the rnaturalearthdata package.

Installazione pacchetto in ‘C:/Users/etrevisan/AppData/Local/R/win-library/4.4’

(perché ‘lib’ non è specificato)

 Show Traceback

 Rerun with Debug

Errore in value[[3L]](cond) :

Failed to install the rnaturalearthdata package.

Please try installing the package for yourself using the following command:

install.packages("rnaturalearthdata")

> world\_centroids <- st\_centroid(world)

 Show Traceback

 Rerun with Debug

Errore: oggetto 'world' non trovato

> install.packages("rnaturalearthdata")

WARNING: Rtools is required to build R packages but is not currently installed. Please download and install the appropriate version of Rtools before proceeding:

https://cran.rstudio.com/bin/windows/Rtools/

Installazione pacchetto in ‘C:/Users/etrevisan/AppData/Local/R/win-library/4.4’

(perché ‘lib’ non è specificato)apertura URL 'https://cran.rstudio.com/bin/windows/contrib/4.4/rnaturalearthdata\_1.0.0.zip'

Content type 'application/zip' length 3328166 bytes (3.2 MB)

downloaded 3.2 MB

pacchetto ‘rnaturalearthdata’ aperto con successo con controllo somme MD5

I pacchetti binari scaricati sono in

C:\Users\etrevisan\AppData\Local\Temp\RtmpEBliTy\downloaded\_packages

> library(rnaturalearthdata)

Caricamento pacchetto: ‘rnaturalearthdata’

Il seguente oggetto è mascherato da ‘package:rnaturalearth’:

countries110> df <- read\_excel("C:/Users/etrevisan/Documents/geograph.xlsx", sheet = 2)

>

> # Optional: check the structure

> head(df)

# A tibble: 6 × 2

Partner Country

*<chr>* *<chr>*

1 Deutsches Zentrum für Luft- und Raumfahrt EV Germany

2 Simula Research Laboratory Norway

3 EODC EARTH OBSERVATION DATA CENTREFOR WATER RESOURCES MONITORING GMBH Austria

4 Brockmann Consult GmbH Germany

5 IFREMER France

6 SkyLabs d.o.o Slovenia

> country\_counts <- df %>%

+ group\_by(Country) %>%

+ summarise(Partners = n()) %>%

+ ungroup()

> world <- ne\_countries(scale = "medium", returnclass = "sf")

> world\_centroids <- st\_centroid(world)

> map\_data <- left\_join(world\_centroids, country\_counts, by = c("name" = "Country"))

> leaflet(map\_data) %>%

+ addTiles() %>%

+ addCircles(

+ lng = ~st\_coordinates(geometry)[, 1],

+ lat = ~st\_coordinates(geometry)[, 2],

+ radius = ~Partners \* 50000, # Adjust multiplier for your needs

+ fillOpacity = 0.8,

+ color = ~colorNumeric("YlOrRd", domain = map\_data$Partners)(Partners),

+ popup = ~paste("<b>", name, "</b><br>Partners:", Partners)

+ )

|  |
| --- |
| > leaflet(country\_coords) %>%  + addTiles() %>%  + addCircleMarkers(  + lng = ~longitude,  + lat = ~latitude,  + radius = 6,  + color = ~colorNumeric("YlOrRd", domain = country\_coords$Partners)(Partners),  + fillOpacity = 0.8,  + popup = ~paste(Country, "<br>Partners:", Partners),  + clusterOptions = markerClusterOptions()  + ) |
|  |
| |  | | --- | | > | |

|  |
| --- |
| > country\_coords <- df %>%  + geocode(Country, method = 'osm', lat = latitude, long = longitude)  Passing 31 addresses to the Nominatim single address geocoder  [==========================================================================================================] 31/31 (100%) Elapsed: 40s Remaining: 0s> df <- df %>%  + mutate(full\_address = paste(Partner, Country, sep = ", ")) %>%  + geocode(address = full\_address, method = 'osm', lat = latitude, long = longitude)  Passing 274 addresses to the Nominatim single address geocoder  [========================================================================================================] 274/274 (100%) Elapsed: 5m Remaining: 0s> leaflet(df) %>%  + addTiles() %>%  + addCircleMarkers(  + lng = ~longitude,  + lat = ~latitude,  + radius = 5,  + color = "blue",  + fillOpacity = 0.7,  + popup = ~paste("<b>", Partner, "</b><br>", Country)  + ) |
|  |
| |  | | --- | | > | |

|  |
| --- |
| > library(rnaturalearthdata)  Caricamento pacchetto: ‘rnaturalearthdata’  Il seguente oggetto è mascherato da ‘package:rnaturalearth’:  countries110> df <- read\_excel("C:/Users/etrevisan/Documents/geograph.xlsx", sheet = 2)  >  > # Optional: check the structure  > head(df)  # A tibble: 6 × 2  Partner Country  *<chr>* *<chr>*  1 Deutsches Zentrum für Luft- und Raumfahrt EV Germany  2 Simula Research Laboratory Norway  3 EODC EARTH OBSERVATION DATA CENTREFOR WATER RESOURCES MONITORING GMBH Austria  4 Brockmann Consult GmbH Germany  5 IFREMER France  6 SkyLabs d.o.o Slovenia  > country\_counts <- df %>%  + group\_by(Country) %>%  + summarise(Partners = n()) %>%  + ungroup()  > world <- ne\_countries(scale = "medium", returnclass = "sf")  > world\_centroids <- st\_centroid(world)  > map\_data <- left\_join(world\_centroids, country\_counts, by = c("name" = "Country"))  > leaflet(map\_data) %>%  + addTiles() %>%  + addCircles(  + lng = ~st\_coordinates(geometry)[, 1],  + lat = ~st\_coordinates(geometry)[, 2],  + radius = ~Partners \* 50000, # Adjust multiplier for your needs  + fillOpacity = 0.8,  + color = ~colorNumeric("YlOrRd", domain = map\_data$Partners)(Partners),  + popup = ~paste("<b>", name, "</b><br>Partners:", Partners)  + )  > df <- read\_excel("C:/Users/etrevisan/Documents/geograph.xlsx", sheet = 2)  >  > country\_counts <- df %>%  + group\_by(Country) %>%  + summarise(Partners = n()) %>%  + ungroup()  > country\_coords <- country\_counts %>%  + geocode(Country, method = 'osm', lat = latitude, long = longitude)  Passing 31 addresses to the Nominatim single address geocoder  [==========================================================================================================] 31/31 (100%) Elapsed: 32s Remaining: 0s> leaflet(country\_coords) %>%  + addTiles() %>%  + addCircles(  + lng = ~longitude,  + lat = ~latitude,  + radius = ~Partners \* 50000, # Adjust this for better scaling  + color = ~colorNumeric("YlOrRd", domain = country\_coords$Partners)(Partners),  + fillOpacity = 0.8,  + popup = ~paste(Country, "<br>Partners:", Partners)  + ) |
|  |
| |  | | --- | | > | |