Interactive maps

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Get the Data - World Heritage Sites

```r
url <- "https://raw.githubusercontent.com/Japhilko/
GeoData/master/2015/data/whcSites.csv"

whcSites <- read.csv(url)
```

Necessary Packages

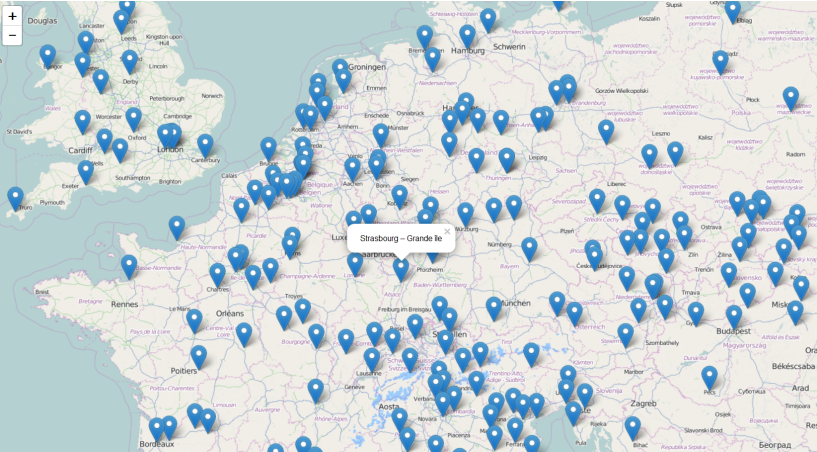magrittr - A Forward-Pipe Operator for R:

```r
library(magrittr)
```

leaflet - Create Interactive Web Maps with the JavaScript 'Leaflet' Library

```r
library(leaflet)
```

Make the interactive map

```r
m <- leaflet() %>%
  addTiles() %>%   # Add default OpenStreetMap map tiles
  addMarkers(lng=whcSites$lon,
             lat=whcSites$lat,
             popup=whcSites$name_en)
```

Show the map

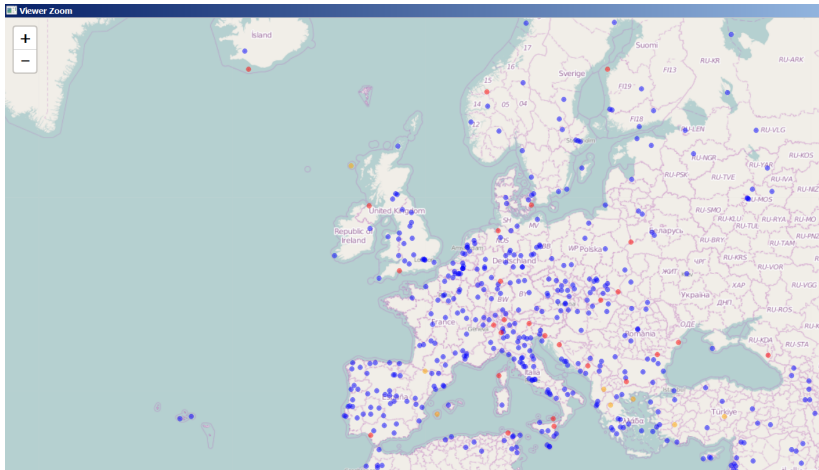# Add some color

```
whcSites$color <- "red"
whcSites$color[whcSites$category=="Cultural"] <- "blue"
whcSites$color[whcSites$category=="Mixed"] <- "orange"
```

Create a map with color

```r
m1 <- leaflet() %>%
  addTiles() %>%
  addCircles(lng=whcSites$lon,
             lat=whcSites$lat,
             popup=whcSites$name_en,
             color=whcSites$color)
```

See the map

Links and resources

- http://www.r-bloggers.com/
  the-leaflet-package-for-online-mapping-in-r/
- https://rstudio.github.io/leaflet/