

# Map SI

SIL

12 November 2018

## R Markdown

```
library(leaflet)

## Warning: package 'leaflet' was built under R version 3.4.4

library(raster)

## Warning: package 'raster' was built under R version 3.4.4

## Loading required package: sp

## Warning: package 'sp' was built under R version 3.4.4

#get boundaries
swiss <- getData("GADM", country="Switzerland", level=1)
#add random data
swiss$randomData <- rnorm(n=nrow(swiss), 150, 30)
pal <- colorQuantile("Greens", NULL, n = 5)

polygon_popup <- paste0("<strong>Name: </strong>", swiss$NAME_1, "<br>",
                        "<strong>Indicator: </strong>",
                        round(swiss$randomData,2))

#create leaflet map
map = leaflet() %>%
  addProviderTiles("CartoDB.Positron") %>%
  setView(10, 45,
          zoom = 6) %>%
  addPolygons(data = swiss,
              fillColor= ~pal(randomData),
              fillOpacity = 0.4,
              weight = 2,
              color = "white",
              popup = polygon_popup)

map
```

