

[PD4] Deby Adam

Adam_Deby

2023-04-03

```
library(dplyr)
library(ggplot2)
library(maps)
library(mapdata)

world <- map_data("world")

europe <- subset(world,
  region %in% c("Albania", "Andorra", "Armenia", "Austria",
    "Azerbaijan", "Belarus", "Belgium",
    "Bosnia and Herzegovina", "Bulgaria",
    "Croatia", "Cyprus", "Czech Republic",
    "Denmark", "Estonia", "Finland",
    "France", "Georgia", "Germany",
    "Greece", "Hungary", "Iceland",
    "Ireland", "Italy", "Kazakhstan",
    "Kosovo", "Latvia", "Liechtenstein",
    "Lithuania", "Luxembourg", "Malta",
    "Moldova", "Monaco", "Montenegro",
    "Macedonia", "Netherlands", "Norway",
    "Poland", "Portugal", "Romania",
    "Russia", "San Marino", "Serbia", "Slovakia",
    "Slovenia", "Spain",
    "Sweden", "Switzerland", "Turkey", "Ukraine",
    "UK", "Vatican", "North Macedonia"))

happiness <-
  read.csv("C:/Users/LEGION/OneDrive - Politechnika Warszawska/Pulpit/2019.csv")

europe <- left_join(europe, happiness, by = c("region" = "Country.or.region"))

theme_nothing <- theme(
  axis.text = element_blank(),
  axis.line = element_blank(),
  axis.ticks = element_blank(),
  panel.border = element_blank(),
  panel.grid = element_blank(),
  axis.title = element_blank())

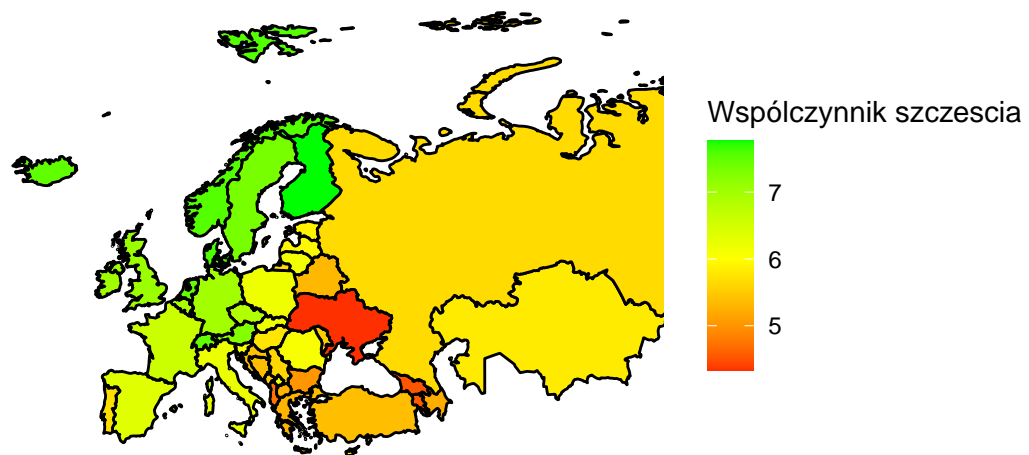
ggplot(data = europe) +
  geom_polygon(aes(x = long, y = lat, fill = Score, group = group),
```

```

    color = "black") +
scale_fill_gradient2(low = "red", mid = "yellow", high = "green",
                     midpoint = 6) +
theme_bw() +
theme_nothing +
coord_fixed(ratio=1.6, xlim = c(-50, 80)) +
labs(title = "Współczynnik szczęścia dla państw Europy w oparciu o
The World Happiness Rank 2019",
     fill = "Współczynnik szczęścia")

```

Współczynnik szczęścia dla państw Europy w oparciu o The World Happiness Rank 2019



Dane zostały pozyskane z strony kaggle, ramka: World Happiness Report. <https://www.kaggle.com/datasets/unsdsn/world-happiness?select=2019.csv>