World map + labphon

2023-12-14

Here we are using data from the Scopus data base to plot a world map with the number of publications of the Laboratory Phonology journal by country.

```
library(ggplot2)
library(dplyr)

# Assuming df is the data frame with country values as you defined earlier
df <- data.frame(
  region = c("USA" , "Germany", "Canada", "Australia", "United Kingdom", "New Zealand", "France",
"Japan", "Netherlands", "Sweden", "Taiwan", "Hong Kong", "Italy", "South Korea", "China", "Malta", "Denmark", "So
uth Africa", "Poland", "Spain", "Austria", "Singapore", "Morocco", "Viet Nam", "Guatemala" , "Portugal", "Switzer
land" ),
  value = c(141, 58, 33, 27, 23, 19, 14, 13, 13, 5, 5, 5, 4, 4, 4, 3, 3, 3, 2, 2, 1, 1, 1, 1, 1, 1, 1),
  stringsAsFactors = FALSE
)

# World map data
world_map <- map_data("world") %>%
  filter(!long > 180)

# Create a data frame with distinct regions
countries <- world_map %>%
  distinct(region) %>%
  rowid_to_column()

# Merge df and countries to ensure correct mapping
merged_data <- merge(countries, df, by = "region", all.x = TRUE)

# Plot the map with land in shades of red
merged_data %>%
  ggplot(aes(fill = value, map_id = region)) +
  geom_map(map = world_map, color = "white") +
  scale_fill_gradient(low = "pink", high = "darkred", name = "Number of papers", breaks = seq(0, 150, by = 30)) +
  expand_limits(x = world_map$long, y = world_map$lat) +
  coord_map("moll") +
  theme_map()
```