



Koronavírus

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2021. február 26.

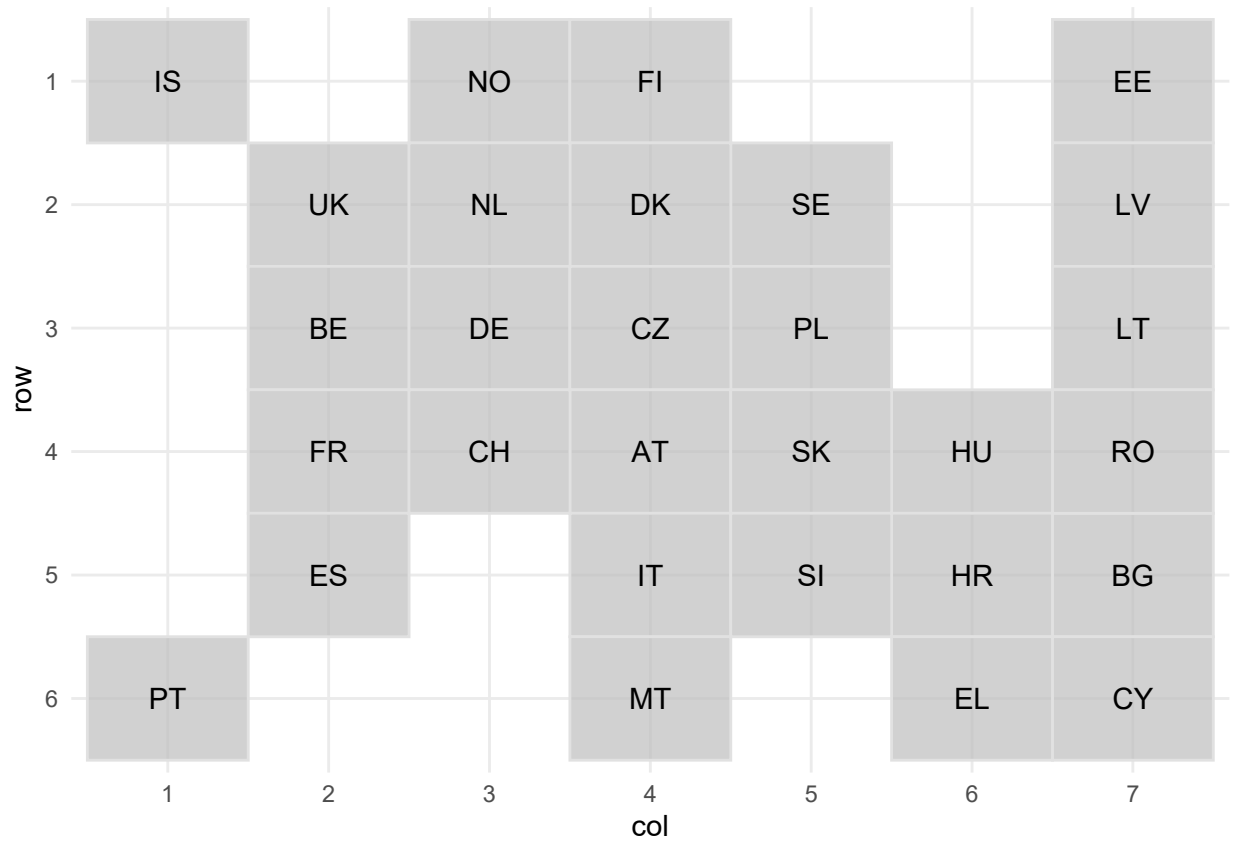
Tartalomjegyzék

Bevezetés	3
Függelék: R kódok	5

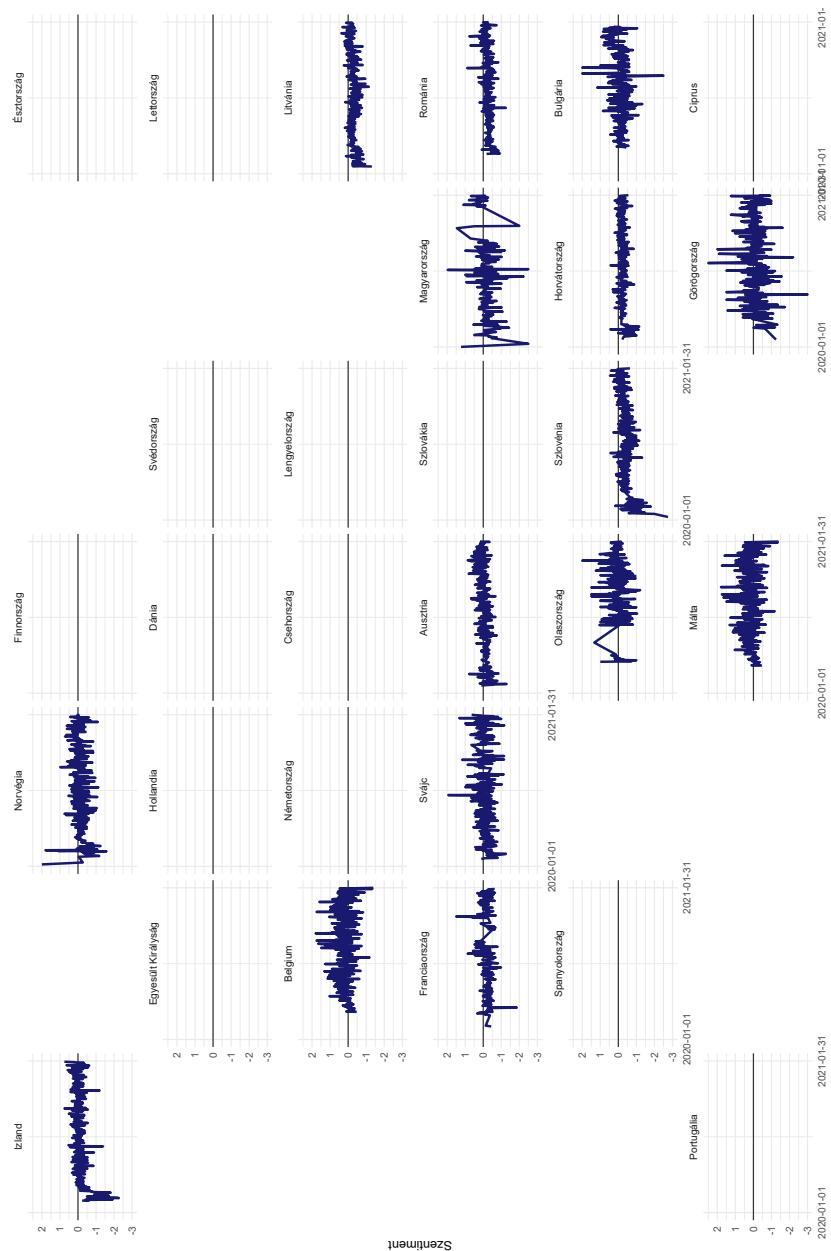
Absztrakt

Here is the abstract.

Bevezetés



Error: Can't subset columns that don't exist.
x Column `value` doesn't exist.



1. ábra. A szentiment alakulása országonként

Függelék: R kódok

```

1  # Set up -----
2
3  ## Packages =====
4
5  library(tidyverse)
6  library(patchwork)
7  library(knitr)
8  library(broom)
9
10 library(geofacet)
11 library(tidytext)
12
13 ## Gg theme =====
14
15 update_geom_defaults("point", list(fill = "cyan4",
16                                     shape = 21,
17                                     color = "black",
18                                     size = 1.4))
19 update_geom_defaults("line",
20                       list(color = "midnightblue", size = 1.4))
21
22 update_geom_defaults("smooth", list(color = "red4", size = 1.4))
23
24 update_geom_defaults("density",
25                       list(color = "midnightblue", fill = "midnightblue",
26                             alpha = .3, size = 1.4))
27
28 extrafont::loadfonts(device="win")
29
30 theme_set(theme_minimal() + theme(
31   legend.direction = "vertical",
32   # text = element_text(family = "Impact"),
33   plot.caption = element_text(family = "serif")
34 ))
35
36 load("dat.RData")
37 dat_sentiment <- dat %>%
38   select(date, text, country) %>%
39   mutate(country = ifelse(str_detect(country, "BE"), "BE", country)) %>%
40   {left_join(tidytext::unnest_tokens(., words, text),
41             get_sentiments("afinn"), by=c("words"="word"))} %>%
42   # TODO other packages
43   group_by(date, country) %>%
44   summarise(value = mean(value, na.rm = T), n = n()) %>%
45   ungroup() %>%
46   na.omit() %>%
47   rename(code = country)
48
49
50 mygrid <- data.frame(
51   row = c(5, 1, 1, 1, 1, 2, 2, 2, 2, 2, 3, 3, 3, 3, 3, 4, 4, 4, 4, 4, 4, 5, 5, 5, 5, 6, 6, 6, 6),
52   col = c(7, 1, 3, 4, 7, 7, 5, 4, 2, 3, 7, 2, 3, 5, 4, 4, 7, 6, 2, 5, 3, 6, 4, 5, 2, 4, 7, 1, 6),

```

```
53   code = c("BG", "IS", "NO", "FI", "EE", "LV", "SE", "DK", "UK", "NL", "LT", "BE", "DE", "PL", "CZ", "A")
54   name = c("Bulgária", "Izland", "Norvégia", "Finnország", "Észtország", "Lettország", "Svédország", "D")
55   stringsAsFactors = FALSE
56 )
57 geofacet::grid_preview(mygrid)
58
59
60 ggplot(dat_sentiment, aes(date, value)) +
61   geom_hline(yintercept = 0, color = "grey20") +
62   geom_line(size = 1) +
63   facet_geo(~ code, grid = mygrid, label = 'name') +
64   scale_x_date(limits = c(min(dat_sentiment$date), max(dat_sentiment$date)),
65               breaks = c(min(dat_sentiment$date), max(dat_sentiment$date))) +
66   labs(y = "Szélesség", x = NULL)
67
68 covid_df <- readr::read_csv("https://covid.ourworldindata.org/data/owid-covid-data.csv")
69 covid_df %>%
70   transmute(name = location, date, cases = new_cases_per_million*1000,
71             death = new_deaths_per_million*1000) %>%
72   merge(dat) %>%
73   select(name, date, cases, death, value) %>%
74   pivot_longer(3:5, names_to = "var") %>%
75   ggplot(aes(date, value)) +
76   geom_line() +
77   facet_grid(var ~ name, scales = "free_y")
```