A koronavírus hatása a BCE hallgatóinak tanulmányi eredményeire

Zöld csapat

2020-Q1

Setup

```
answers <- read_csv("answers.csv")
```

```
names_vector <- names(answers)
names(answers) <- paste0("v", seq_along(answers))
```

```
mean(answers$v3=="Igen")
```

```
## [1] 0.6666667
```

```
df <- answers %>% filter(v3 == "Igen")
```

```
answers <- answers %>% mutate(
  v3 = factor(v3),
  v8 = factor(v8, levels = c("Igen", "Nem", "Nem válaszolok")),
  v10 = factor(v10),
  v11 = factor(v11, levels = c("Igen", "Nem", "Nem válaszolok")),
  v12 = factor(v12, levels = c("10001-30000", "30001-50000","50001-70000", "70001-90000","90001-110000"
  v14 = factor(v14),
  v15 = factor(v15),
  v16 = factor(v16),
  v17 = factor(v17),
  v19 = factor(v19, levels = c("Igen", "Nem", "Nem tudom")),
  v19 = factor(v19, levels = c("Igen", "Nem", "Nem tudom")),
  v23 = factor(v23),
  v25 = factor(v25),
  v26 = factor(v26, levels = c("általános iskola,", "középiskola (szakiskola, gimnázium, szakközépiskol
  v27 = factor(v27, levels = c("általános iskola,", "középiskola (szakiskola, gimnázium, szakközépiskol
  v29 = factor(v29, levels = c("átlag alatti","átlagos", "átlag feletti", "jóval átlag feletti")),
) %>% select(-c(v1,v30))

# 24-ből bp
```

```
answers$v31 <-  ifelse(answers$v24 %/% 1000 == 1, 1, 0) # BP lakos?
```

```
data.frame(kerdes = names_vector[c(4,5)], atlagok = c(mean(answers$v4, na.rm = T),
```

```
##                                   kerdes  atlagok
## 1 2019/2020/1 féléves tanulmányi átlagod? 4.303333
## 2 2019/2020/2 féléves tanulmányi átlagod? 4.554444
```

```
answers %>% group_by(v12) %>% summarise(n = n()) %>% mutate(
  h = c(20000, 40000, 60000, 80000, 100000, 120000, 140000, NA)
```

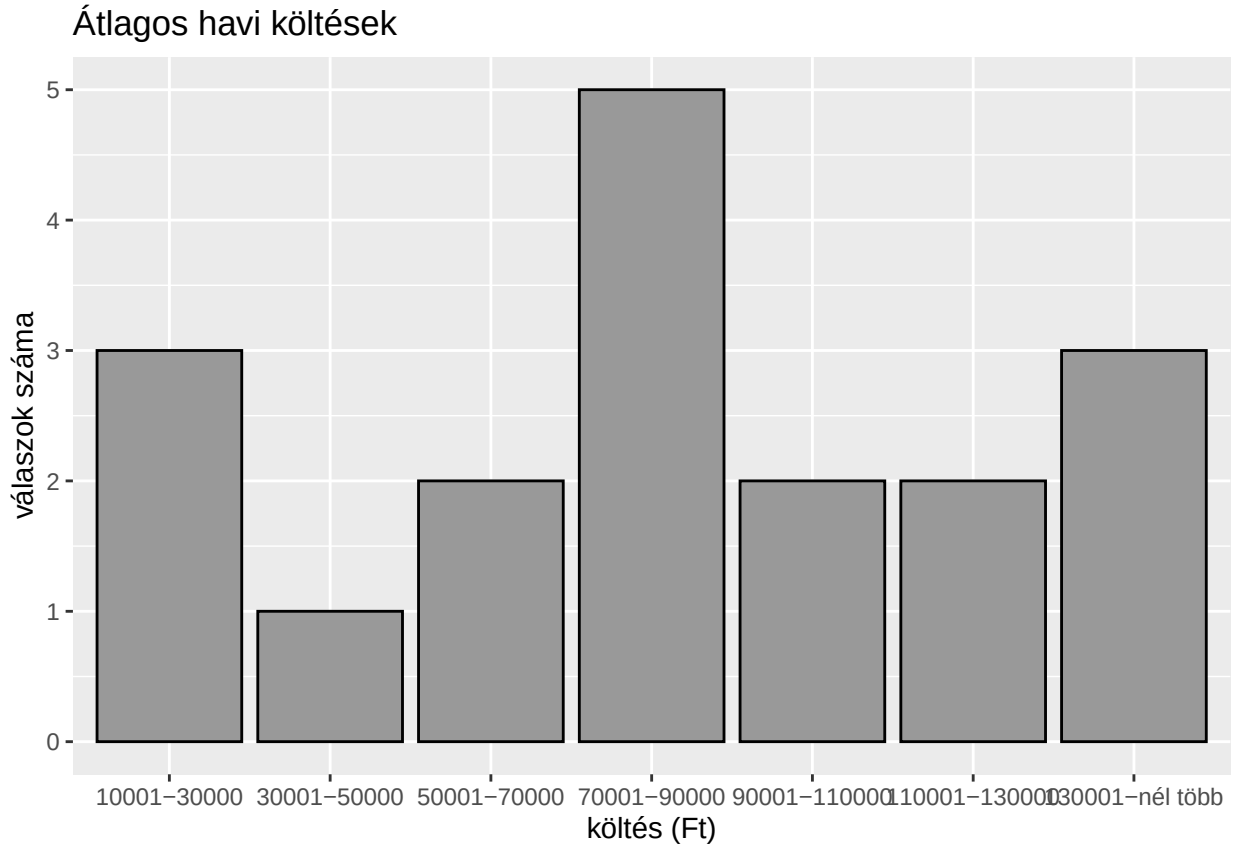
```
) %>% filter(!is.na(v12)) %>% mutate(s = n*h) %>% summarise(sum(s)/sum(n))
```

```
## # A tibble: 1 x 1
##   `sum(s)/sum(n)`
##             <dbl>
## 1          82222.
```

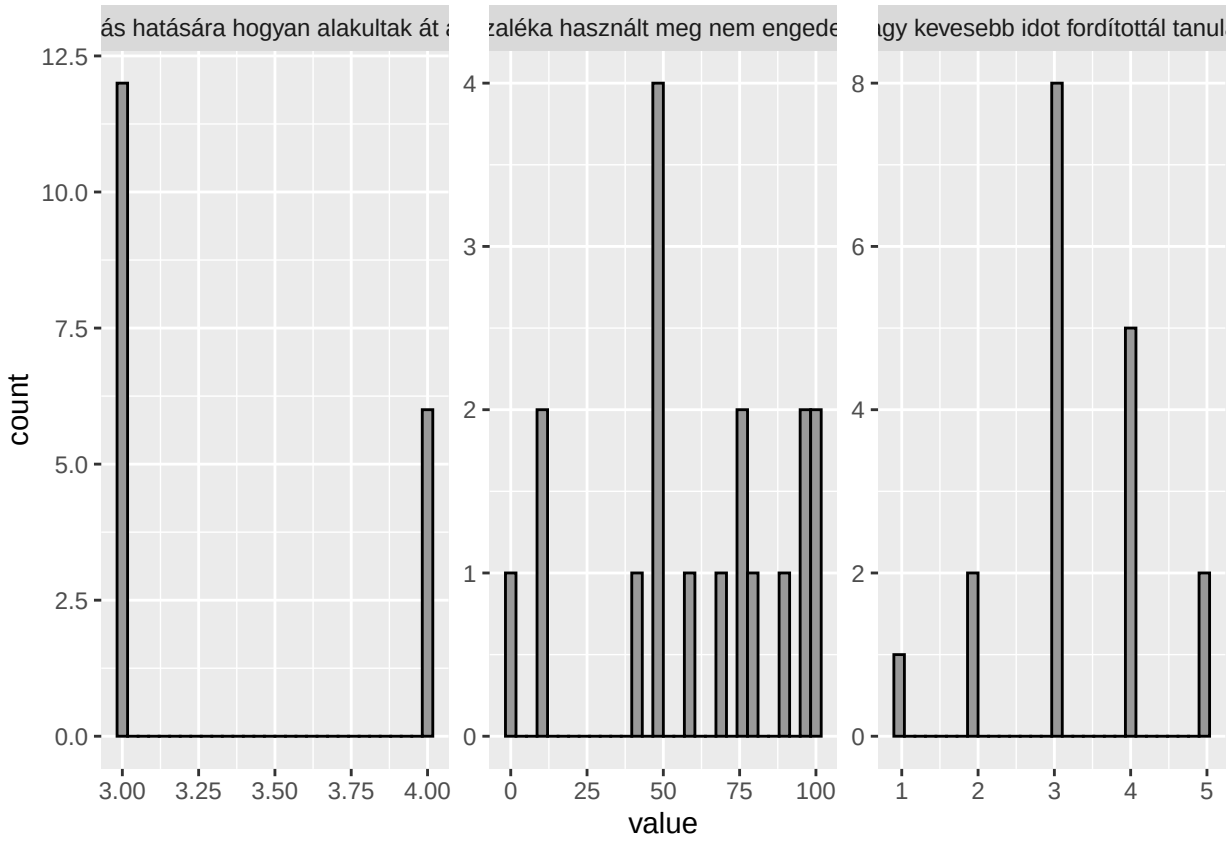
Havi átlagos költés: 82222 Ft.

Figures

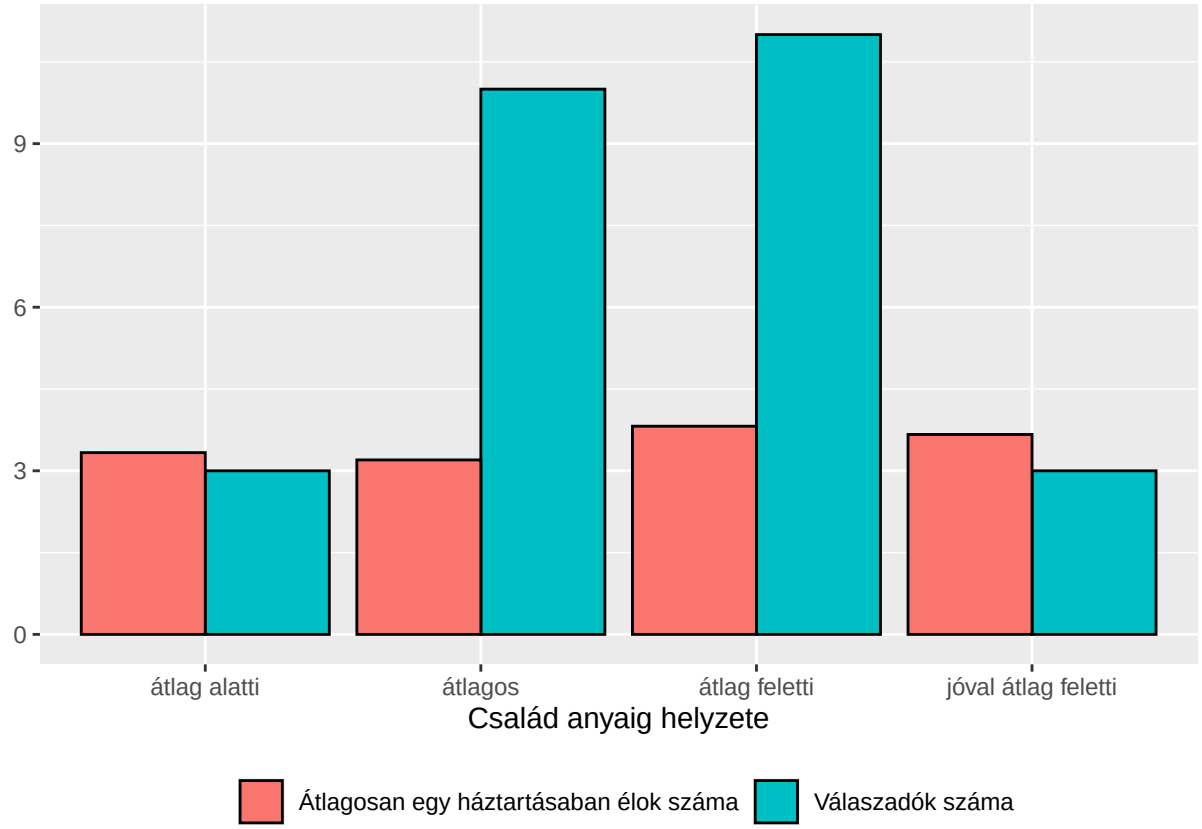
```
answers %>% group_by(v12) %>% summarise(n = n()) %>% filter(!is.na(v12)) %>% ggplot(aes(x = v12, y = n)) +
  geom_col(fill = "grey60", color = "black") + labs(title = "Átlagos havi költések", y = "válaszok száma
```




```
answers %>% select(v6,v7,v9) %>% set_names(names_vector[c(6,7,9)]) %>% gather() %>% ggplot(aes(value)) +
  facet_wrap(~key, scales = "free")
```




```
answers %>% group_by(v29) %>% summarise(n = n(), lh = mean(v28, na.rm = T)) %>% set_names(c("v29", "Vál
  labs(x =  "Család anyaig helyzete", fill = "", y = "") + theme(legend.position = "bottom")
```


9
6
3
0
átlag alatti
átlagos
átlag feletti
jóval átlag feletti
Család anyaig helyzete
Átlagosan egy háztartásaban élok száma
Válaszadók száma