

J1.1.2.R

maiko.koort

2023-06-14

```
library(ggplot2)
library(dplyr)
```

```
##
## Attaching package: 'dplyr'

## The following objects are masked from 'package:stats':
##
##   filter, lag

## The following objects are masked from 'package:base':
##
##   intersect, setdiff, setequal, union
```

```
library(tidyr)
```

```
#faili sisselugemine ja korrigeerimine
```

```
J112=read.csv("PT1-T1.1-J1.1.2.csv",header=TRUE, encoding ="UTF-8")
```

```
J112=na.omit(J112)
```

```
labels=sub("X","",names(J112))[2:5]
```

```
J112[4,1]="Extremely dissatisfied\n(Not at all satisfied)"
```

```
#andmestiku formaadi muutmise ja uued veerunimed
```

```
J112=pivot_longer(J112,col=c("ETeU.2019","X01.02.2021","X05.06.2021","X01.02.2022"))
```

```
names(J112)=c("Vastus","Aeg","Osakaal")
```

```
#joonis
```

```
ggplot(J112)+
```

```
  geom_col(aes(x=Aeg,y=Osakaal,fill=Vastus))+
```

```
  scale_fill_manual(values=c("#FF3600","#982F1A","#6666CC","#1E272E"))+ #Et anda ette terve vektor värvi
```

```
  theme_minimal()+
```

```
  ylab("%") +
```

```
  xlab("")+
```

```
  scale_x_discrete(labels=labels,limits=c("ETeU.2019","X01.02.2021","X05.06.2021","X01.02.2022"))+
```

```
  scale_y_continuous(breaks=c(20,40,60,80,100))+
```

```
  theme(legend.spacing.y = unit(2, 'cm'))+
```

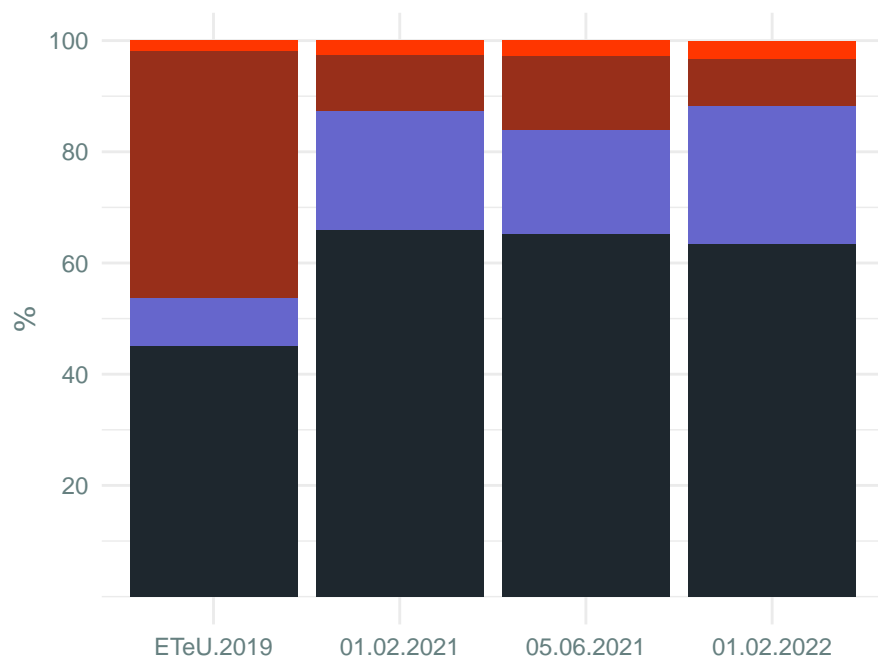
```
  guides(fill = guide_legend(byrow = TRUE))+
```

```
  theme(text = element_text(color="#668080"),axis.text=element_text(color="#668080"))+
```

```
  theme(legend.title=element_blank())+
```

```
  theme(plot.margin=unit(c(0.5,4.5,0.5,0.5),"cm"))+
```

```
  theme(legend.position = "bottom")
```



Extremely dissatisfied (Not at all satisfied) Extremely satisfied (Satisfied) Not very satisfied (Somewhat unsatisfied) Quite satisfied (Somewhat satisfied)