

J3.3.2.R

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```
library(ggplot2)
library(tidyr)
library(tibble)

#faili sisselugemine ja andmete formaadi korrigeerimine
J332=read.csv("PT3-T3.3-J3.3.2.csv",header=TRUE, encoding ="UTF-8")[1:6,]
names(J332)=c("Faktor", "4. klass", "8. klass", "11. klass", "Täiskasvanute gümnaasium")
J332=pivot_longer(J332,2:5)
J332$Faktor=as.factor(J332$Faktor)
J332$name=as.factor(J332$name)
J332$name=factor(J332$name,levels(J332$name)[order(c(2,4,3,1))])
J332$Faktor=factor(J332$Faktor,levels(J332$Faktor)[order(c(5,4,6,2,1,3))])

#joonis
ggplot(J332)+
  geom_col(aes(x=Faktor,y=value,fill=name),pos=position_dodge(0.8),width=0.7)+
  theme_minimal()+
  theme(legend.position = "bottom")+
  coord_flip()+
  scale_fill_manual(values=c("#81DBFE", "#F25D23", "#38bf7b", "#6666cc"),breaks=c("4. klass", "8. klass", "11. klass", "Täiskasvanute gümnaasium"),
  theme(strip.text.x=element_text(color="#668080"))+
  theme(text = element_text(color="#668080"),axis.text=element_text(color="#668080"))+
  scale_y_continuous(limits=c(0,4),breaks=c(0,1,2,3,4))+
  theme(legend.title = element_blank())+
  ylab("")+
  xlab("")
```

```
## Warning: Removed 1 rows containing missing values ('geom_col()').
```

