

## J3.4.4.R

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```
library(ggplot2)
library(tidyr)

#faili sisselugemine ja andmete formaadi korrigeerimine
J344=read.csv("PT3-T3.4-J3.4.4.csv",header=TRUE, encoding ="UTF-8")
J344$Riik[3]="EESTI"
names(J344)=gsub("\\\\.", " ", names(J344))
levels=reorder(J344$Riik,J344$`Jah, lõplikult`)
```

```
## Warning in mean.default(X[[i]], ...): argument is not numeric or logical:
## returning NA
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```
J344$name=factor(J344$name,levels(J344$name)[order(c(3,2,1))])
font=rep(1,27)
font[3]=2
```

```
#joonis
```

```
ggplot(J344)+
  geom_col(aes(x=Riik,y=value,fill=name),pos=position_dodge(0.8),width=0.7)+
  scale_fill_manual(values=c("#6666cc","#FF3600","#668080"))+
  theme_minimal()+
  theme(axis.text.x = element_text(angle = 90,face=font))+
  scale_y_continuous(breaks=seq(0,60,10))+
  theme(legend.position = "bottom")+
  theme(legend.title = element_blank())+
  xlab("")+
  ylab("%")
```

```
## Warning: Vectorized input to 'element_text()' is not officially supported.
## i Results may be unexpected or may change in future versions of ggplot2.
```

