

J1.2.2.R

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```
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)
library(scales)

#faili sisselugemine ja andmete struktuur
J122=read.csv("PT1-T1.2-J1.2.2.csv",header=TRUE, encoding ="UTF-8")
names(J122)[2:6]=c("18-29", "30-44", "45-59", "60-74", "75+")
J122_cl=rbind(J122[4:5,], J122[11:12,])
J122_cl=J122_cl[,1:6]
J122_cl$Sugu=c("Mehed", "Mehed", "Naisted", "Naisted")
J122_cl=pivot_longer(J122_cl,col=c("18-29", "30-44", "45-59", "60-74", "75+"), "Vanus")
J122_cl=pivot_wider(J122_cl,names_from=X, values_from=value)
names(J122_cl)[3:4]=c("upper", "lower")
J122_cl$upper=as.numeric(J122_cl$upper)
J122_cl$lower=as.numeric(J122_cl$lower)

J122=J122[,1:6]
J122=rbind(J122[3,], J122[10,])
J122$sugu=c("Mehed", "Naisted")
J122=pivot_longer(J122,col=c("18-29", "30-44", "45-59", "60-74", "75+"), "Vanus")
J122$sugu=as.factor(J122$sugu)
J122$Vanus=as.factor(J122$Vanus)
J122$value=as.numeric(J122$value)

#joonis
ggplot(J122)+
```

```
geom_col(aes(x=Vanus,y=value,fill=sugu),position = position_dodge(0.9),width=0.7)+
theme_minimal()+
geom_errorbar(data=J122_cl,aes(x=Vanus,ymin=lower,ymax=upper,col=Sugu),pos=position_dodge(0.9),width=0.7)+
ylab("Palju või väga palju stressi tundnud indiviidide osakaal (%)")+
scale_fill_manual(values=c("#1E272E","#FF3600"))+
scale_color_manual(values=c("#FF3600","#1E272E"))+
theme(legend.title=element_blank())+
theme(text = element_text(color="#668080"),axis.text=element_text(color="#668080"))
```

