

## J2.3.5.R

maiko.koort

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```
library(ggplot2)

#faili sisselugemine ja andmete formaadi korrigeerimine
J235=na.omit(read.csv("PT2-T2.3-J2.3.5.csv",header=TRUE, encoding ="UTF-8"))
J235$X[2:4]=J235$X[1]
J235$X[6:8]=J235$X[5]

names(J235)=c("X", "Faktor", "high", "low", "OR")
J235$X=as.factor(J235$X)
J235$Faktor=as.factor(J235$Faktor)
J235$X=factor(J235$X,levels(J235$X)[order(c(2,1))])
J235$Faktor=factor(J235$Faktor,levels(J235$Faktor)[order(c(2,4,1,3))])

#joonis
ggplot(J235,aes(x=Faktor,y=OR,col=Faktor))+
  facet_grid(~X,labeller = label_wrap_gen())+
  geom_point(cex=3)+
  geom_errorbar(aes(x=Faktor,ymin=low,ymax=high),width=0.1,linewidth=0.9)+
  geom_abline(slope=0,intercept=1,linewidth=0.3)+
  theme_minimal()+
  theme(legend.title=element_blank())+
  theme(legend.position = "none")+
  scale_y_continuous(limits=c(1,4.5),breaks=seq(0,4.5,0.5))+
  ylab("Odds ratio (OR) and 95% confidence interval")+
  xlab("")+
  theme(axis.text.x = element_text(angle = 90))+
  theme(text = element_text(color="#668080"),axis.text=element_text(color="#668080"))+
  scale_color_manual(values=c("#668080", "#FF3600", "#f09d00", "#6666cc"))+
  theme(strip.text.x=element_text(color="#668080"))
```

