

test

Quarto

Quarto enables you to weave together content and executable code into a finished document. To learn more about Quarto see <https://quarto.org>.

Running Code

```
library(pacman)
p_load(tidyverse, ROCR, ggplot2, readr, ggthemes, gtsummary, kableExtra)
gtsummary::theme_gtsummary_compact()
```

Setting theme "Compact"

```
gtsummary::theme_gtsummary_eda()
```

Setting theme "Exploratory Data Analysis"

```
categ <- numer <- c()

for (name in names(df)){
  if (is.numeric(df[[name]])) {
    numer <- append(numer, name)
  } else {
    categ <- append(categ, name)
  }
}

c2 <- V <- p_vals <- c()
```

```

for (col in categ) {

  ch2 <- chisq.test(df[[col]], df$CHD)
  V2 <- sqrt((ch2$statistic/sum(ch2$observed))/ch2$parameter)

  c2 <- append(c2, ch2$statistic)

  p_vals <- append(p_vals, ch2$p.value)

  V <- append(V, V2)

}

```

Warning in chisq.test(df[[col]], df\$CHD): Chi-squared approximation may be incorrect

```

sum_tab_cat <- as.data.frame(rbind(c2, V, p_vals))
names(sum_tab_cat) <- categ
sum_tab_cat <- select(sum_tab_cat, -CHD)
rownames(sum_tab_cat) <- c('Chi Squared', "Cramer's V", 'p-value')

sum_tab_cat <- round(sum_tab_cat, 2)
kable(sum_tab_cat, format = "latex", booktabs = TRUE, caption = "Ua Bell sta tabell") %>%
  kable_styling(latex_options = c("striped", "hold_position", "scale_down"))

```

Table 1: Ua Bell sta tabell

	sex	education	smoker	stroke	HTN	diabetes
Chi Squared	30.56	31.25	1.62	8.74	126.28	31.39
Cramer's V	0.09	0.05	0.02	0.05	0.18	0.09
p-value	0.00	0.00	0.20	0.00	0.00	0.00