

Hw3

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October 29, 2019

```
library(tidyverse)
library(arsenal)
```

```
SC = read_csv("./data/SurvCancer.csv") %>%
  janitor::clean_names() %>%
  group_by(organ) %>%
  summarize(
    mean_survival = mean(survival)
  )
```

```
mycontrols <- tableby.control(test=T, total=F, numeric.simplify = TRUE, cat.simplify = T,
  numeric.test="kwt", cat.test="chisq",
  numeric.stats=c( "meansd","medianqlq3"),
  cat.stats=c("countpct"),
  stats.labels=list(N='Count', meansd='Mean', countpct = "Count", medianqlq3="Median[IQR]"),
  digits = 2,
  digits.count = 2,
  digits.p = 3
)
```

```
tab1<-tableby(organ ~ mean_survival , control = mycontrols, data = SC)
```

```
summary(tab1, text = TRUE)
```

```
##
```

```
##
```

```
## |           |           Breast (N=1)           |           Bronchus (N=1)           |           Colon (N=1)           |
## | :-----: | :-----: | :-----: | :-----: |
## | mean_survival |           |           |           |
## | - Mean      | 1395.91 (NA) | 211.59 (NA) | 457.41 (NA) |
## | - Median[IQR] | 1395.91 (1395.91, 1395.91) | 211.59 (211.59, 211.59) | 457.41 (457.41, 457.41) | 8
```