## Summary

## Mochammad Ariel Sulton

## 2023-09-03

```
data1 <- read.csv("pulse.csv")</pre>
active <- data1[, 1]</pre>
rest <- data1[, 2]
smoke <- data1[, 3]</pre>
gender <- data1[, 4]</pre>
exercise <- data1[, 5]
hgt <- data1[, 6]</pre>
wgt <- data1[, 7]
height <- by(hgt, gender, summary)</pre>
print(height)
## gender: 0
## Min. 1st Qu. Median Mean 3rd Qu.
   64.00 70.00 71.00 70.91 72.00 78.00
## gender: 1
     Min. 1st Qu. Median Mean 3rd Qu.
##
     60.00 64.00 65.00 65.29 67.00 71.00
##
weight <- by(wgt, gender, summary)</pre>
print(weight)
## gender: 0
## Min. 1st Qu. Median Mean 3rd Qu.
     110.0 160.0 175.0 178.7 193.8
## gender: 1
## Min. 1st Qu. Median Mean 3rd Qu. Max.
## 102.0 123.2 135.0 134.9 145.0 175.0
activeS <- by(active, smoke, summary)</pre>
activeG <- by(active, gender, summary)</pre>
activeE <- by(active, exercise, summary)</pre>
print(activeS)
```

## smoke: 0

```
Min. 1st Qu. Median Mean 3rd Qu. Max.
  51.00 78.25 88.00 90.52 101.75 154.00
##
## -----
## smoke: 1
  Min. 1st Qu. Median Mean 3rd Qu.
##
  65.00 83.00 94.00 97.46 110.00 139.00
print(activeG)
## gender: 0
## Min. 1st Qu. Median Mean 3rd Qu.
## 51.00 76.50 85.50 88.12 98.00 154.00
## -----
## gender: 1
## Min. 1st Qu. Median Mean 3rd Qu.
## 56.00 80.25 95.00 94.82 106.75 144.00
print(activeE)
## exercise: 1
## Min. 1st Qu. Median Mean 3rd Qu.
   68.0 85.0 97.0 101.1 110.0 154.0
## -----
## exercise: 2
## Min. 1st Qu. Median Mean 3rd Qu.
  65.00 83.50 95.00 94.92 105.50 150.00
## -----
## exercise: 3
## Min. 1st Qu. Median Mean 3rd Qu.
## 51.00 69.75 81.50 83.97 92.75 140.00
restS <- by(rest, smoke, summary)</pre>
restG <- by(rest, gender, summary)</pre>
restE <- by(rest, exercise, summary)</pre>
print(restS)
## smoke: 0
## Min. 1st Qu. Median Mean 3rd Qu. Max.
  43.00 61.00 67.00 67.79 74.00 106.00
## smoke: 1
## Min. 1st Qu. Median Mean 3rd Qu.
                                Max.
## 58.00 67.00 70.00 72.77 77.75 95.00
print(restG)
## gender: 0
## Min. 1st Qu. Median Mean 3rd Qu.
## 48.00 61.00 66.00 66.78 72.00 95.00
## -----
## gender: 1
## Min. 1st Qu. Median Mean 3rd Qu.
## 43.00 63.00 70.00 70.09 75.75 106.00
```

## print(restE)