HW1.R

xboxv

2020-02-13

```r
#step1
height <- c(59,60,61,58,67,72,70)
weight <- c(150,140,180,220,160,140,130)
a <- 150
mean(height)
```

```
## [1] 63.85714
```

```r
mean(weight)
```

```
## [1] 160
```

```r
length(height)
```

```
## [1] 7
```

```r
length(weight)
```

```
## [1] 7
```

```r
sum(height)
```

```
## [1] 447
```

```r
sum(weight)
```

```
## [1] 1120
```

```r
sum(height)/length(height)
```

```
## [1] 63.85714
```

```r
sum(weight)/length(weight)
```

```
## [1] 160
```

```r
#Step2
maxH <- max(height)
maxH
```

```
## [1] 72
```

```r
minW <- min(weight)
minW
```

```
## [1] 130
```

```r
#step3
weight2 <- weight +5
weight2
```

```
## [1] 155 145 185 225 165 145 135
```

```r
wh <- weight2/height
wh
```

```
## [1] 2.627119 2.416667 3.032787 3.879310 2.462687 2.013889 1.928571
```

```r
#Step4
if (maxH > 60 ) {
  "yes"
} else {
  "no"
}
```

```
## [1] "yes"
```

```r
if (minW > a) {
  "yes"
} else {
  "no"
}
```

```
## [1] "no"
```