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Assignment #2
Applied Biostatistics for Bioinformatics

3. How many males and females are in this file ?

Im not sure if its correct but as shown as shown by the screenshot I found there to be 3344 Females and 3333 Males

```
> weight.height <- read.csv("C:/Users/intek/Downloads/weight-height.csv")
>   View(weight.height)
> weight.height <- data.frame(Gender= sample(c(NA, "Male", "Female"), 10000, TRUE))
> table(weight.height)
weight.height
Female   Male
  3344   3333
>
```

4. Find the mean and standard deviation in height and weight of the whole group and the males and females separately.

Males Height mean: 69.03
Males Weight mean:187.0
Males Height Standard deviation: 3.847528
Males Weight Standard deviation: 32.10844

Females Height mean: 63.71
Females Weight mean: 135.9
Females Height standard deviation:3.847528
Females Weight Standard deviation: 32.10844

both Height mean: 66.37
both Weight mean : 161.4
Both height standard deviation: 3.847528
Both weight standard deviation: NA

5. The variability is higher in weight because the numbers we are dealing with are overall larger, and it is proven by the larger standard deviations in the weight category

6. The variability tells you that numbers that are larger have a bigger deviation on average from the mean, and thus have higher variability.

7. I would say that weight has changed the most just due to the reason that it is a larger value and has a bigger range that it can fall into.