## Exercise 3B: Data Management

## Problem 1.

There are 592 cases of type 2 diabetes in our dataset.

## Problem 2.

T2DM	Sex	Waist circumference mean (SD)	Total cholesterol mean (SD)
Yes	Male	111.04 (16.29)	186.20 (50.56)
Yes	Female	108.25 (16.46)	202.73 (44.37)
No	Male	99.98 (14.80)	196.49 (41.44)
No	Female	94.62 (15.13)	201.07 (41.27)

## CODE:

```
2
    1 1111.03724
3
    0 2 94.61666
4
     1 2 108.25000
> aggregate(waist, by=list(Diabetes=T2DM, Sex=gender), sd, na.rm=T)
Diabetes Sex
    0 114.80492
1
2
     1 116.28855
3
    0 2 15.13392
4
     1 2 16.46396
> aggregate(chol, by=list(Diabetes=T2DM, Sex=gender), mean, na.rm=T)
Diabetes Sex
    0 1 196.4940
1
2
     1 1 186.2041
3
    0 2 201.0700
4
     1 2 202.7323
>
> aggregate(chol, by=list(Diabetes=T2DM, Sex=gender), sd, na.rm=T)
Diabetes Sex
    0 141.43644
1
2
     1 150.55547
3
    0 2 41.27048
4
     1 2 44.36705
>
>#End of code
```