Exercise: Simple tables in the results window

Task 1

Open the pre-installed dataset bplong.dta. The dataset contains blood pressure data by sex and age group before and after doing sport.

a) Check how many observations there are before and after doing sports for women and men separately. Produce the same result using tabulate, table and tabstat.

b) Add the mean and standard deviation of blood pressure measurements using the command table to produle the following output:

```
Status
and Sex          Freq.     mean(bp)        sd(bp)

Before
    Male            60      159.2667      11.41344
    Female          60      153.6333       10.7356

After
    Male            60      155.5167      15.24322
    Female          60         147.2      11.74272
```

Task 2

a) Display a simple frequency table of the levels of the agegrp variable that shows the values as well as value labels.

b) Create the following table displaying several summary statistics of blood pressure acress three pre-defined age groups using the command tabstat:

```
Summary for variables: bp
     by categories of: agegrp (Age Group)

agegrp  |       N       mean          sd       min       max      range

 30-45  |      80        148    11.21708       125       176         51
 46-59  |      80   152.9375    13.16819       127       185         58
   60+  |      80    160.775    11.60202       138       185         47
```