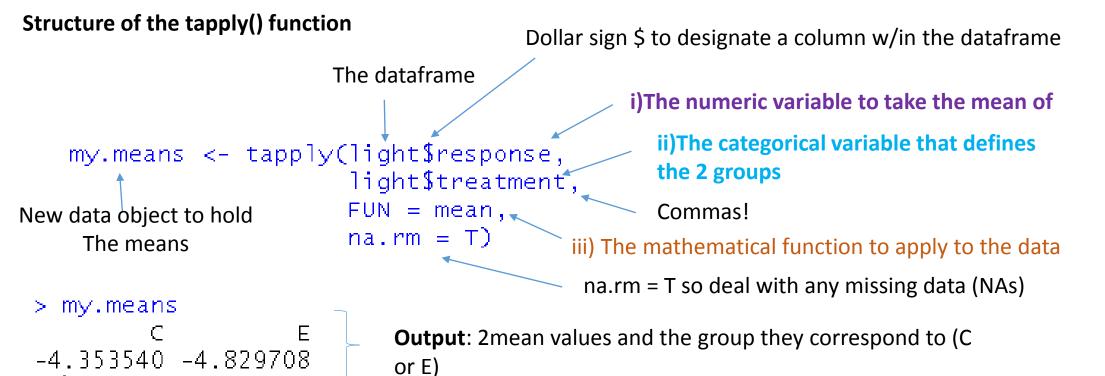
Using the tapply() function to calculate the means of two groups

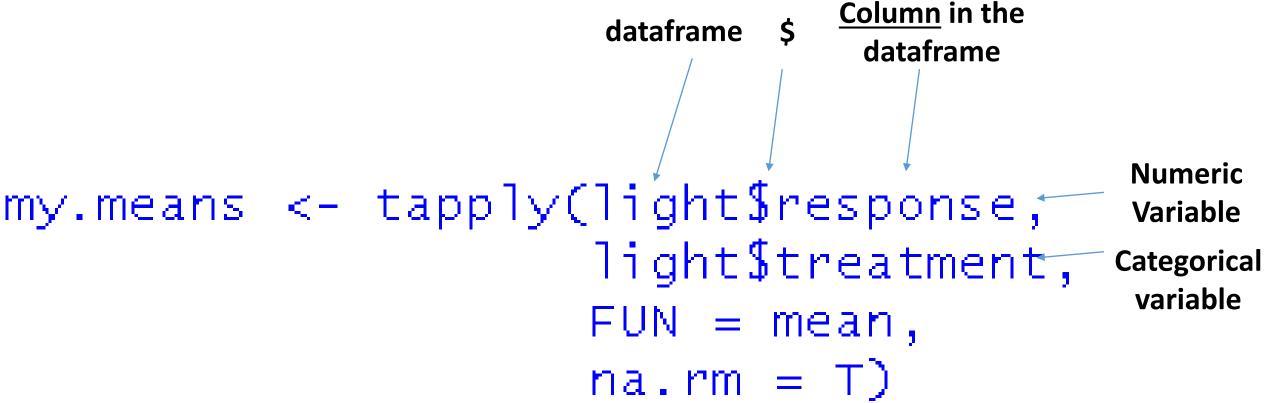
```
> head(light)
     treatment
                 response
 869
                -4.504766
                -3.164909
 871
 873
                 -4.320002
 875
                 4.486886
 877
                 4.207244
 879
                 4.591058
1002
                 3.310792
1004
1006
                 5.112481
1008
                 -4.780870
1010
                 -4.822527
1012
                -4.761931
```

The data look like this. Each data point gets a separate row, and is either from a "C" or an "E" treatment. There is just one column of the numerical response variable.

The tapply() functions takes 3 main argument.
i) The numeric variable that you want to get information from (ie, mean values by group).
ii) The categorical variable that defines the groups in the data.
iii) The mathematical function to apply to the

data (mean, sd, min, etc)





The "treatment" column in the "light" dataframe contains categorical data. The names of these categories (aka groups) DO NOT appear anywhere in the tapply() function. tapply() looks at them "behind the scenes" and figures out how to split up the data to get the mean of each group.