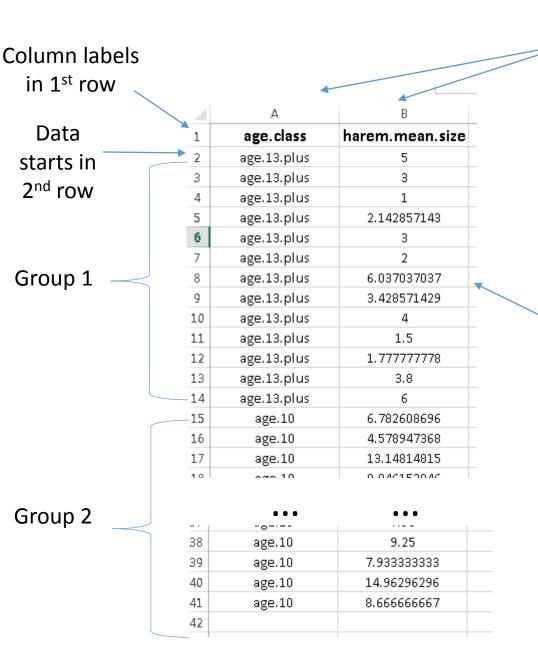
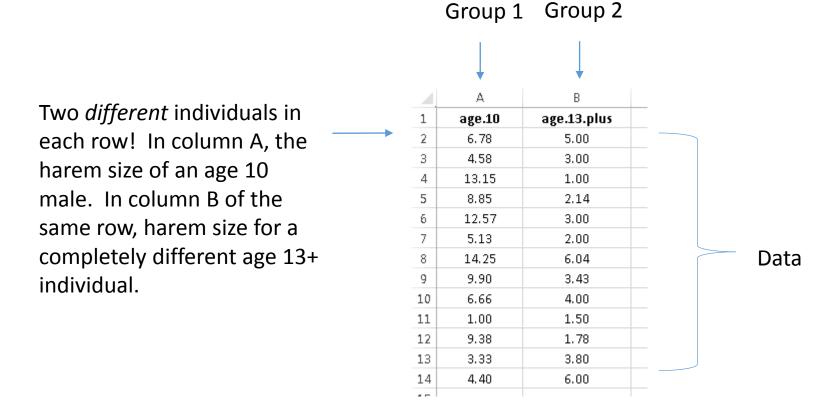
Anatomy of a typical dataframe in R



Each characteristic that was measured on the observational units or category that classifies it gets its own COLUMN. Here, there is a column for the age class the deer are in (age 13 or more vs. age 10) and a column for his mean harem size during the course of the study. Other columns could be "rack.size", "body.mass" or any other data taken on an individual male.

Each ROW is a separate **unit of observation**. Here it is an individual male deer. This could also be individual humans, survey plots, plates of bacteria, etc; each <u>unique</u> object or individual that got measured gets its own row of data. Here, there were 40 individuals studied, so there are 41 rows. 1 row for the column names plus 40 rows, one for each buck.

Incorrect format for an R dataframe



This is a very common format for data in Excel and a natural way to think about data. For some purposes R can work with this kind of data. However, for general work in R this format is much more difficult to use and should generally be avoided.