Institute of Psychiatry, Psychology and Neuroscience



Module Title: Introduction to Statistics

Session Title: Practical Quiz 1

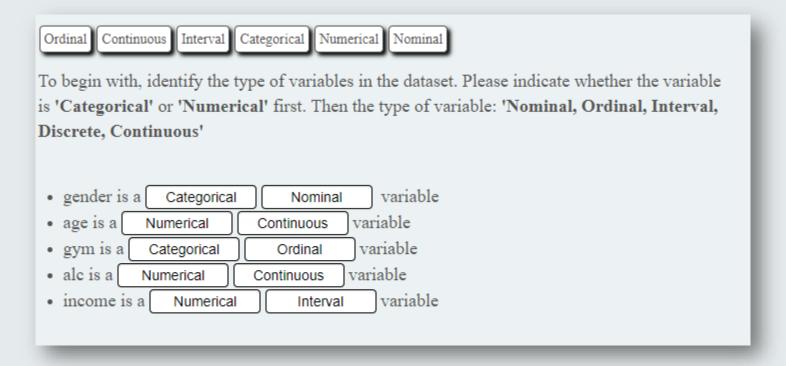
Topic title: Measurement and graphical representations of data

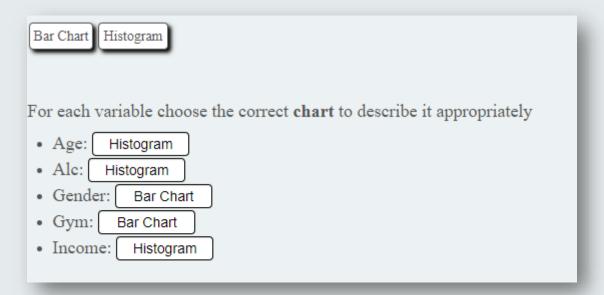
Practical Quiz 1

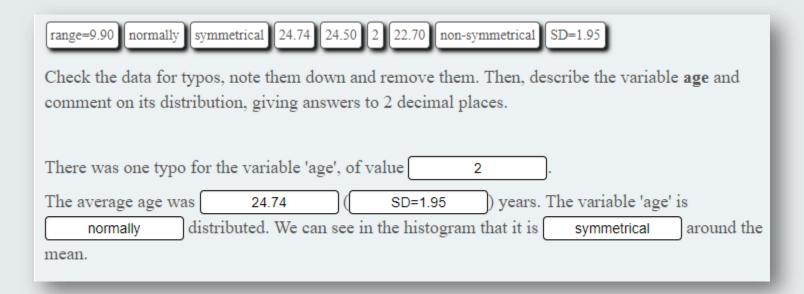
Welcome to the Topic 1 Practical Quiz

For this quiz, the data set consists of n=120 members of a gym. The variables being measured are:

- gender: the reported gender (1: male, 2: female, 3: other)
- · age: the member's age (in years)
- gym: how often they visit the gym (1=once per week, 2=twice per week, 3=three or more times per week)
- · alc: alcohol units per week
- · income: their gross annual income (1:up to £10,000, 2: £10,001 to £20,000, 3: £20,001 to £30,000, 4: £30,001 to £40,000, 5: £40,001 to £50,000, 6: more than £60,000)







non-normally normally below symmetrical non-symmetrical above
Please comment on the distribution of alc.
The variable 'alc' is non-normally distributed. We can see in the histogram that it is non-symmetrical around the mean. Most of the values are below 10 units of alcohol.

0 100% 3 27.5%

Please check the variable 'gym' for typos, note them down and remove them if there were any. Comment on what you observe in the values of 'gym'.

There were 3 typos in the database for this variable.

Among the people in the sample, 27.5% responded that they visit the gym three times or more in a week.

