Course: Data Management for Clinical Research
Assignment 1: Form critique
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Link to critiqued form: https://www.datacourse.org/surveys/?s=q7VGsXcHJV

What is wrong with question 1?

There are a number of questions within one question with very different answering options. Even in the first sentence multiple inputs can be given (name or ID). Using this question will result in data that cannot be used as it is not possible to check from which question the data originated from.

What is wrong with question 2?

Three main things are wrong with the data. First, the interval of the categories is not even (0 is a single year, 1-15 covers 15 years and the length of the 50+ category is unclear). Second, it is possible to tick multiple boxes even though an individual can have only one age. As a result of this it is possible an individual has two (or more) ages (e.g. be both 5 and 25). Third, the categories overlap. This makes it unclear which category box needs to be ticked when an individual has an age that appears in two categories (e.g. 15).

What is wrong with question 3?

The unit of measurement is unclear. As a result data can become mixed between annotations (e.g. 1.93m or 193 cm) or even between measurement systems (imperial or metric).

What is wrong with question 4?

The data gathered by this question is a calculated one. If the definition of BMI changes it is impossible to recalculate the data as these were not gathered. It would be better to measure height (probably already measured in question 3) and weight.

What is wrong with question 5?

This measure seems to be irrelevant as today's date changes every day. However, what was probably meant was the "date of measurement".

What is wrong with question 6?

Two things are wrong here. First, the scale is not continues. 100 is an absolute value but the others are ranges of feelings. Second, the options are not properly ordered which might lead to mistakes as people assume a specific ordering of the items (from good to bad).

What is wrong with question 7?

This is a statement not a question. If it is a statement people have to agree on the answering format is also chosen poorly. A yes/no dropdown menu or radio buttons are a better choice.

What is wrong with question 8?

Response options do not cover all possible pets. Furthermore, the options "don't know" and "unknown" are the same response.

What is wrong with question 9?

First, the list of flavours is not complete. Second, it list a type of ice cream (popsicle) instead of a flavour and third, the relevance of the question is probably very low (similar to the question "What's the colour of the patients' car).