

In reality, it turns out that coffee does not cause lung cancer and is only

a spurious correlation.

associated with it, but it appeared causal due to the third variable, smoking. This third variable is called a confounder, or lurking variable. This means that the relationship of interest between coffee and lung cancer is

Being able to identify data types is important since the type of data you're working with will dictate what kinds of summary statistics and

Categorical data can be represented as numbers

Nominal (Unordered)

Married/unmarried (1/8)

Ordinal (Ordered)

Somewhat agree (4)

Strongly agree (5)