

hw-A Collected data, ..., 2 categorical, 2 continuous.

The important thing to realize is that these notions are fuzzy. Here are 2 extremes:

extreme 1: A continuous quantity is measured 10 times, but the measurements fall into only 2 distinct values. Then this variable should be (or could be) treated as discrete, with 2 levels.

extreme 2: A categorical variable is measured a million times, and it happens that all million measurements are distinct. Then you may treat this variable as continuous.