

- Present two different types of data, or variables, used in the health field. Examples could be blood pressure, temperature, pH, pain rating scales, pulse oximetry, % hematocrit, minute respiration, gender, age, ethnicity, etc.
 - The two types of data that are utilized in the health field that I will be discussing are pulse oximetry and blood pressure. Working on an inpatient surgical unit, these two elements of data help use nurses with the stability of the patient. If these variables are not adequate or in a stable range, then they are not suitable for my floor until they are stabilized.
- Classify each of your variables as qualitative or quantitative and explain why they fall into the category that you chose.
 - Both of these variables fall under the classification of quantitative. "Quantitative data involves numbers and are the result of counting/measuring attributes of a population" (Holmes et al., 2017).
- Also, classify each of the variables as to their level of measurement--nominal, ordinal, interval, or ratio--and justify your classifications.
 - Both pulse oximetry and blood pressure can be further classified as quantitative continuous data since they can theoretically take any value in a given range (Mayya, Monterio, & Ganapathy, 2017). For example is my patient's pulse ox is reading 96% on the machine, but may, in fact, be 96.145526%. Blood Pressure is written as a fraction therefore it is also quantitative. Both of these variables utilize a ratio scale when being measured because they both start at zero. The faction of blood pressure in nursing utilizes a systolic variable and a diastolic variable.
- Which type of sampling could you use to gather your data? (stratified, cluster, systematic, and convenience sampling)
 - the sampling type that I would utilize to gather data would be convenience sampling. "Convenience sampling involves using results that are readily available" (Holmes et al., 2017). I feel that convenience sampling is correct because when the patients have presented to my unit data is already available. Data will be continued to be gathered throughout the patients' hospital stay.