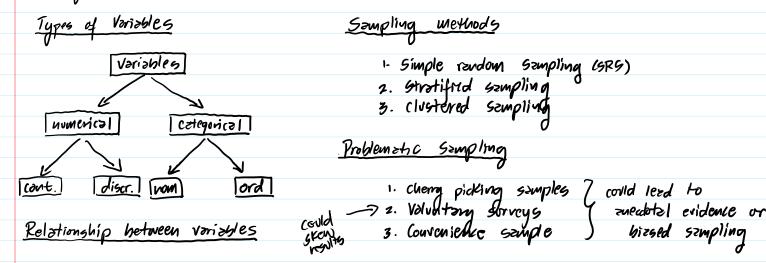
## Experiments

Wednesday, January 25, 2023

Previously...



explanatory might affect, response uzrizule

Questions you can ask: Is A associated with B? Does A coused B?

response relationship on how x effects y.

You need to be careful on how to use "association" or "causation" because association does not imply causation. Causation can only be inferred from a randomized experiment.

## Observational vs Experimental Studies

- Observational study poto with no trestment/intervention.

conclusions: Sufficient to show essociations between variables
or form hypothesis that we later check voing experiments.

Too cannot conclude causal relationships but can conclude generalizations.

Two forms: 1. prospective study

-> identify individuals and collect clata.

7. retrospective study -> Collect dota efter events have accord.

1. Following a group of patients over many years to assess concer view. 2. Reviewing prest medical records.

