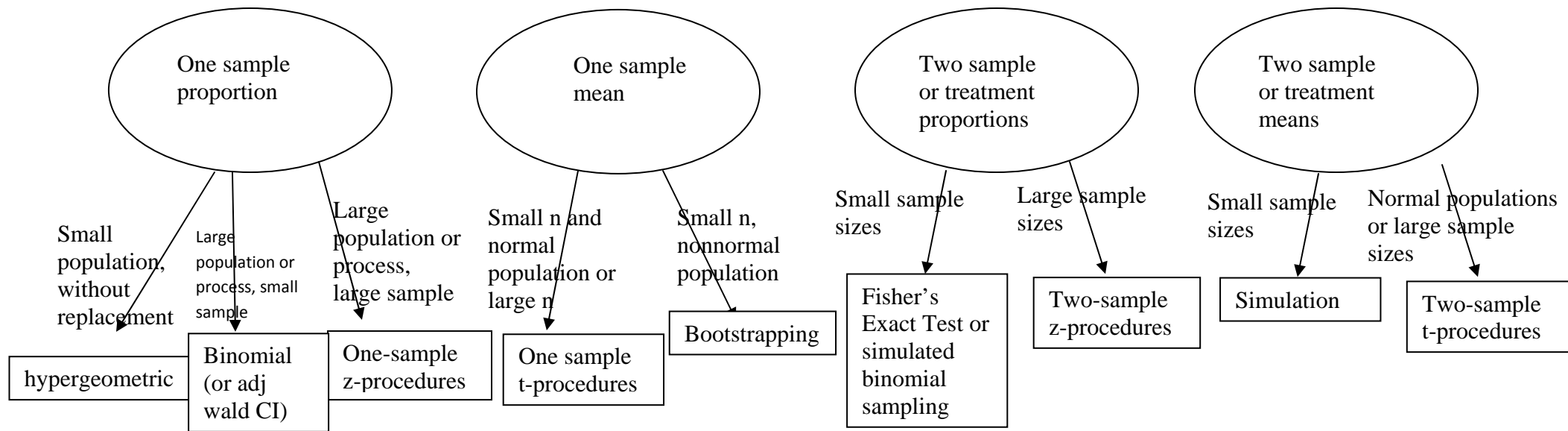


## Stat 301 – Choosing Procedures



Note: All of these analyses can be done through simulation where you mimic either the random sampling process (if you have access to the population(s) or through bootstrapping) or the random assignment process. All of these procedures require either random sampling or random assignment to be valid. This consideration mostly comes up in our final conclusions in helping us decide whether we can generalize or draw a causation conclusion, respectively.

An advantage to simulation is it allows us to use other statistics, though we have seen that the odds ratio has a nice transformation to be able to use the normal distribution to approximate the sampling distribution of the log-odds ratio.

Also keep in mind that the “small sample” approaches are valid with larger samples as well (but may provide slightly less info)!