

Data Sampling

Technique	Definition	Advantages	Disadvantages
Random	Sample randomly selected	Likely to include are subgroups	Requires large sample size otherwise high likelihood of error
Stratified	Specific subgroup selected	Subgroups represented	Must know subgroups , can be complicated to apply
Systematic	Inclusion of every nth patient	Time efficient	Can cause bias if periodicity exists (e.g. every 7th day)
Judgement	Sampling done based on judgement of team lead	Time efficient	Personal bias, not representative
Quota	Sample selected based on numbers alone	Easy, reliable	Sampling error
Convenience	No requirements or stratification	Simple and easy	Selection bias and sampling error