PROBABILITY SAMPLING

From where	Simple Random	Systematic Random	Stratified Random	Cluster	Multistage	Multiphase
	Sampling	Sampling	Sampling	Sampling	Sampling	sampling
Calculation	By using Random	Identify population	By using well	•Cluster sampling	•The Complex	
	Digit	size.	define stratum	is an example of	form of	
	_	A Identify comple cize		sampling'.	cluster	
	Identify the	♥ identify sample size .	Identify the	oupg .	sampling in	
	population size, and	Identify predefine	variable that we	First stage a	which two or	
	S also No fee each	system we need 10th	neeu.	chosen:	more levels of	
	➤ give No. for each one of nonulation	8th . every kth element	Identify the		units are	
	one of population.	k=(population	population size	Second stage a	embedded	
	➤ Identify the	size/sample size).		respondents	one in the	
	sample size	A Chase first No. By	Identify the	within those areas	other.	
		using random digit .	sample size .	is selected.		
	➤ Chose first No.			• A Population is	–First stage, a	
	blindly from the	It is important that	Dived	divided into	random	
	random digit.	the starting point is not automatically the first	population into	clusters of	number of	
	> Dooido coinc	in the list, but is	overlapping group	units, usually		
	vertically or	instead randomly	or subgroup	based on	chosen in all	
	horizontally .	chosen from	(stratum)	geographical	SIGIES.	
	_	within the first to the		contiguity.	-Followed by	
	➤ Chose second,	kth element in the list.	Chose from	•Sampling units	a random	
	third, fourth No.	▲ Lloo prodofino	each stratum No.	are groups rather	number of	
		system to collect 2nd	randomly (or	than mulviduals.	villages.	
	Collect the sample	3rd K No.	sample size) that	 A sample of such 	rinagooi	
	SIZE .	A then extending	is proportional to	clusters is then	-Then third	
	lanore ·	then selecting elements at regular	its original size .	Selected.	stage units	
	- Repeated	intervals through that		•All units from the	will be houses	
	No.	ordered list.	Collect the total	selected clusters		
	- No. larger	Collect the sample	sample size, this	are studied.		
	than	size	right proportion			
	population		nght proportion i			
Characteristics	SIZE .	Comple coov to				
	to calculate	-Sample easy to				
Advantages		501001				
	-Simple	-Suitable sampling				
	-	frame can be				
		identified easily				
		-Sample evenly				
		spread over entire				
		reference population				
Disadvantages	-If sampling frame	-Sample may be				
-	large, this method is	biased if hidden				
	impracticable.	periodicity in				
	-Need complete	coincides with that				
	sampling frame.	of selection.				
	-Minority subgroups	-Difficult to assess				
	of interest in	precision of				
	population may not	estimate from one				
	in sufficient numbers	Survey.				
	for study.					
	-					

NON-PROBABILITY SAMPLING

From where	QUOTA SAMPLING	CONVENIENCE Sampling	SNOWBALL SAMPLING	JUDGMENTAL OR PURPOSIVE SAMPLING
Calculation	 The population is first segmented into mutually exclusive sub-groups, just as in stratified sampling. Then judgment used to select subjects or units from each segment based on a specified proportion. In quota sampling the selection of the sample is non-random. 	•Also known as grab or opportunity sampling or accidental or haphazard sampling.	Existing study subjects are used to recruit more subjects into the sample EX: covid-19	The researcher chooses the sample based on who they think would be appropriate for the study. This is used primarily when there is a limited number of people that have expertise in the area being researched
Characteristics Advantages		 Involves the sample being drawn from that part of the population which is close to hand. That is, readily available and convenient. Use results that are easy to get 		
Disadvantages	The problem is that these samples may be biased because not everyone gets a chance of selection. This random element is its greatest weakness and quota versus probability has been a matter of controversy for many years	•The researcher using such a sample cannot scientifically make generalizations about the total population from this sample because it would not be representative enough.		