## How to arrive at a sample styp?

Intulthuly, larger the sample size we can be sure as one conclusion. Inorder to arrive at a population parameter, we sample and study the Sample parameter.

Say a new change is holled out on Google. Com and me study the change over 100 samples. Say 100 days.

I deally we need to study comparable samples and guin I deally we need to study comparable samples and guin that there might be serionality as non days of week.

I that there might be serionality as number of same per the thick to study would be say number of same per the tirst in google maps.

go across 100 samples, sames per nisit is recorded.

The Samples have a mean as Ms with standard devication as 80.5. Standard error is 5/100. Higher the sample size, lower the Standard error.

population parameter?

The population mean would be between  $U_8^{\pm 1} \stackrel{\circ}{\searrow} \frac{\circ}{10}$  and we can be 65% confident about it. Say after studying 10000 we can be 95% confident about it. Say after studying 10000 people and we arrived at 1 famouring Party 1 is 63%.

People and we arrived at 1 famouring Party 1 is 63%.

People and we arrived at 2 famouring 1 & 100%, to choose from)

(Guery person was given a scale between 1 & 100%, to choose from)

and 80 = 12%, Standard error = 12%.

n Ust 1 CE = 63% t 0.12% between 62.88% and 63.19%. We can be 95% that population mean is between 63% t 2(0.12%) we can be 95% that population mean is between 63% t 2(0.12%) that is 62.16% and 63.94%. If we want to be 95% for smaller margin? Increase Lamps rige.