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**What is Exactly Confidence**

95% CI

* From a population we can make multiple samples
* Assume that we draw a 100 samples means 100 groups
* each group mean we calculated : PE (PE1 ,PE2,........PE100)
* each group we need to construct an : IE (IE1,IE2,.........IE100)
* IE1= PE1- 1.96\*SE to PE1+1.96\*SE
* IE2= PE1- 1.96\*SE to PE1+1.96\*SE …… so on
* out of 100 groups 95 groups Interval Estimates can capture my population mean is called as 95%CI

Never say one interval has 95% chance to capture population mean

We don’t know it contains means or not