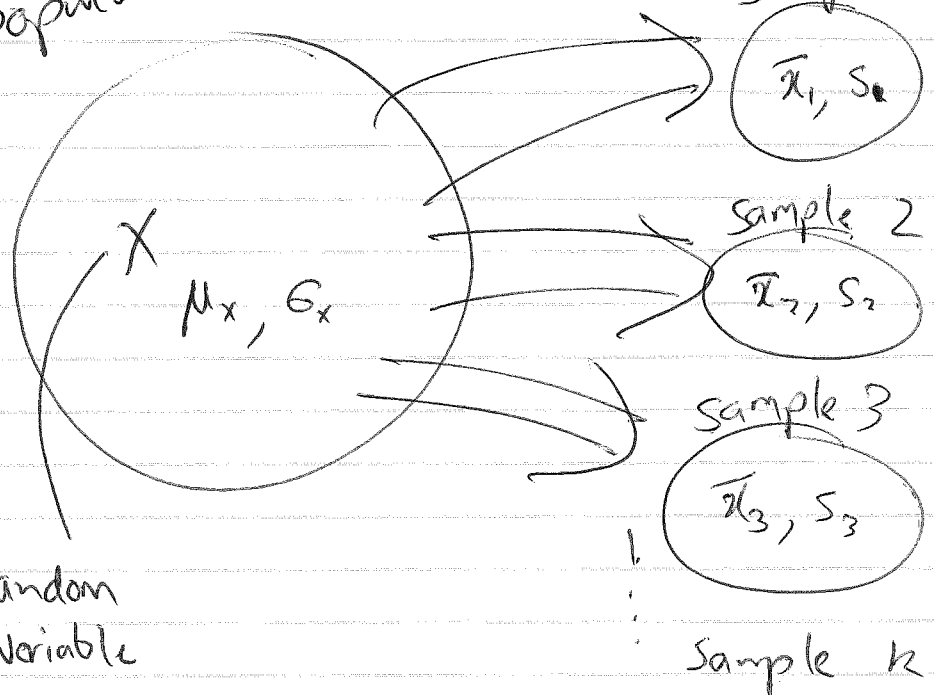


population



Sample means

 $\bar{x}_1, \bar{x}_2, \bar{x}_3, \dots, \bar{x}_k$

CLT is a statement about the sampling distribution of the mean

CLT says in sampling from a population with mean μ_x , standard deviation σ_x

the sampling distribution of the mean will be ~~mean~~ approximately $N(\mu_x, \frac{\sigma_x^2}{n})$ as $n \rightarrow \infty$

↑
standard deviation of the s.d.
(called the standard error)

$$= \frac{\sigma_x}{\sqrt{n}}$$