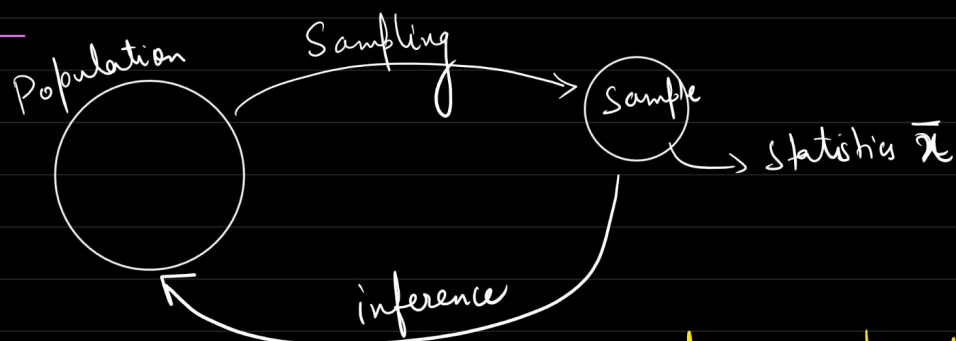


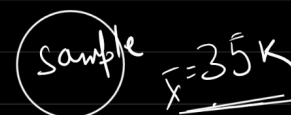
* Point Estimate



Estimate → A specified observed value used to estimate an unknown population parameter using sample.

① Point estimate → A point estimate is a single value that is used to estimate the true value of a population parameter.

q Avg salary of IT employees



\bar{x} ← true for population as well.

* Avg salary of sample is being used to estimate the average salary of population
→ mean, variance.

② Interval estimate —

Range of values used to estimate the unknown population parameter
→ avoiding uncertainty / more confident



→ 30-40K

Exam hall

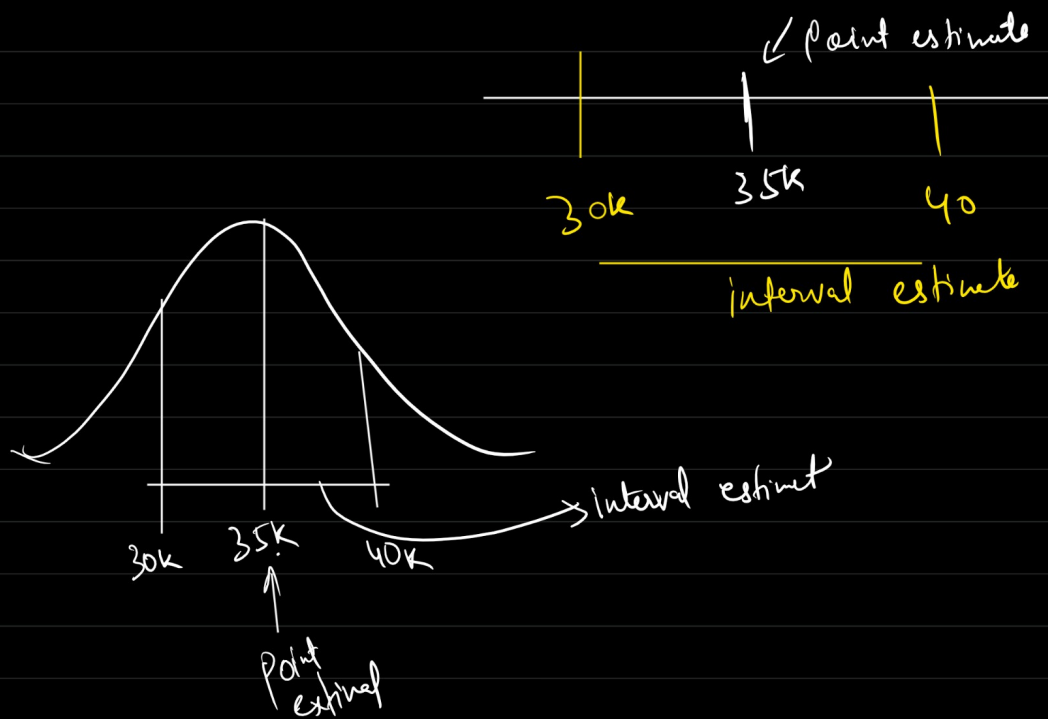
your friend

you

58 (Point)

45

40-60 (interval)



Summary — when you want to estimate statistics about population using sample → one point → point estimate
→ interval → interval estimate
==