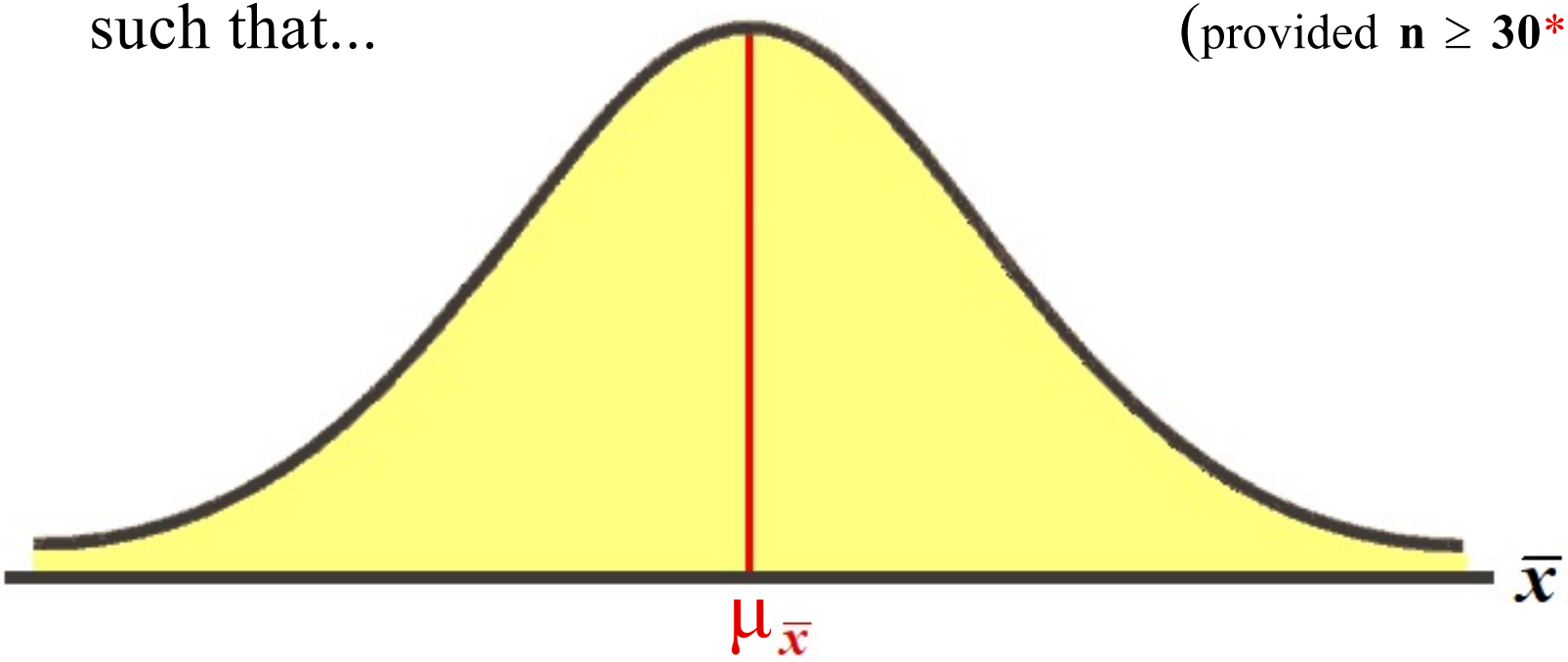
I. Central Limit Theorem (p.320, p.323):

1. In a random sample, the mean "$\bar{x}$" is an estimate of the population mean "μ."
2. Assuming that a sample is random, the distribution of similar samples (of equal size*) will be normally distributed such that... (provided **n** ≥ **30***)



3. $\mu_{\bar{x}} = \mu$
4. $\sigma_{\bar{x}} = \sigma \div \sqrt{n}$ *a.k.a.* the "standard error" (p.322)

II. Examples (p.319): #4,6

III. Examples (pp.327-331): #**4**,6,10,14,**16**

HW: p.319 / #1,7
p.327-330 / #1,5,7a,9,11,13,15,17ab
Read pp.320-327 (section 6.5)