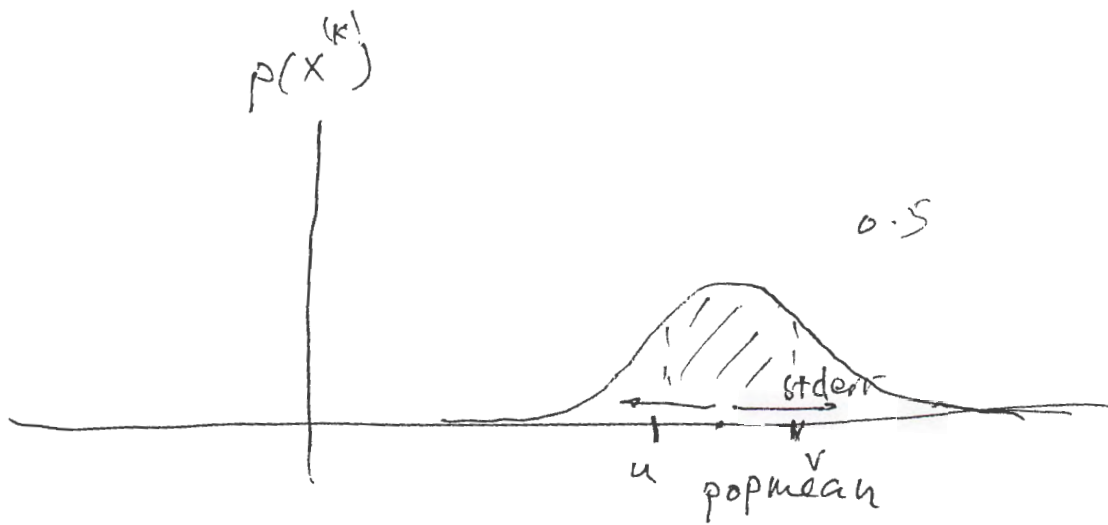


$$\sqrt{\frac{\text{samplesd}^2}{K}} = \frac{\text{samplesd}}{\sqrt{K}}$$

std. err.

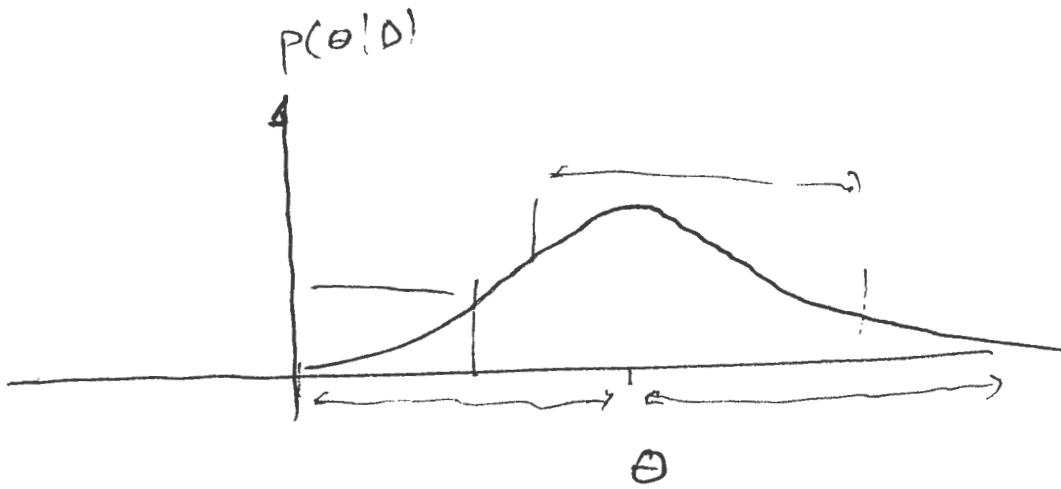
$X^{(K)}$

sample mean - std err, pop mean, sm + std err

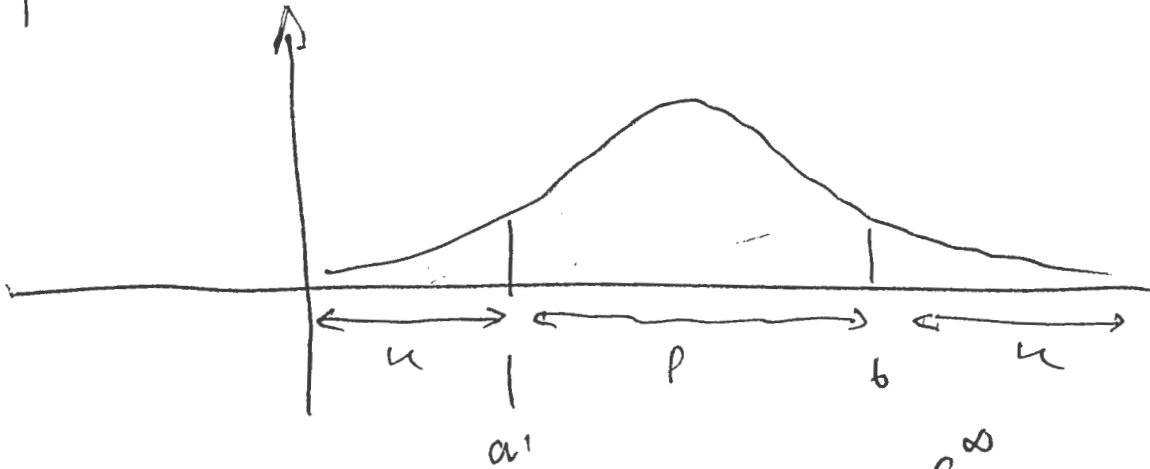


$$\int_u^v \text{Normal}(\text{mean}(x^{(k)}), \text{stderr}) dx = 0.5$$

$$P(\theta | D)$$



$$\rho = 1 - 2u$$



$$\int_{-\infty}^a P(\theta | D) = u$$

$$\int_b^{\infty} P(\theta | D) = u$$

D
model

$$P(D|\theta)$$

$$\hat{\theta} = \underset{\theta}{\operatorname{argmax}} P(D|\theta)$$

$$\frac{P(D_{\text{new}}|\hat{\theta})}{P(D_2|\hat{\theta})}$$