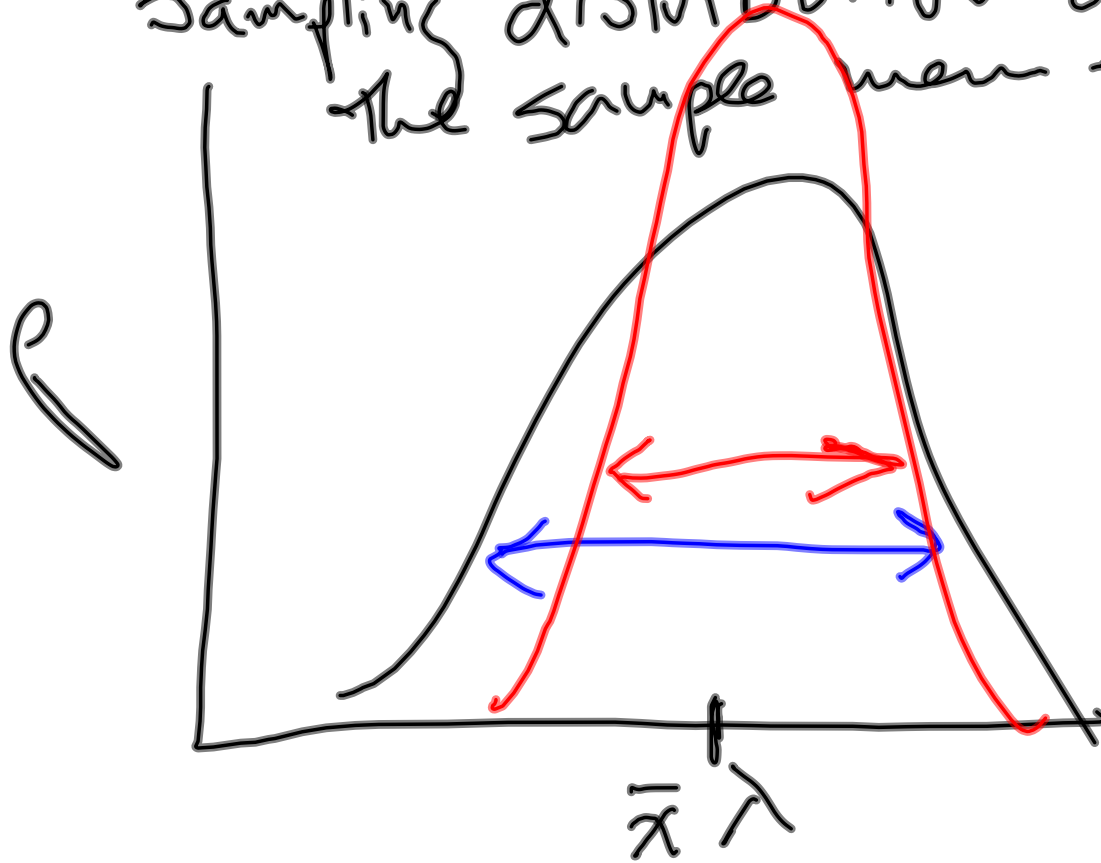


"Result"
Sampling distribution of
the sample mean...



Define Poisson
 λ, n

Store n in list

Count 0's

Simulate sample
of n from
 $p(\bar{x}, n)$

Simulate sample
of n from
Pois (λ)

Calculate \bar{x}

Transfer to class projects

Portfolio of Distributions

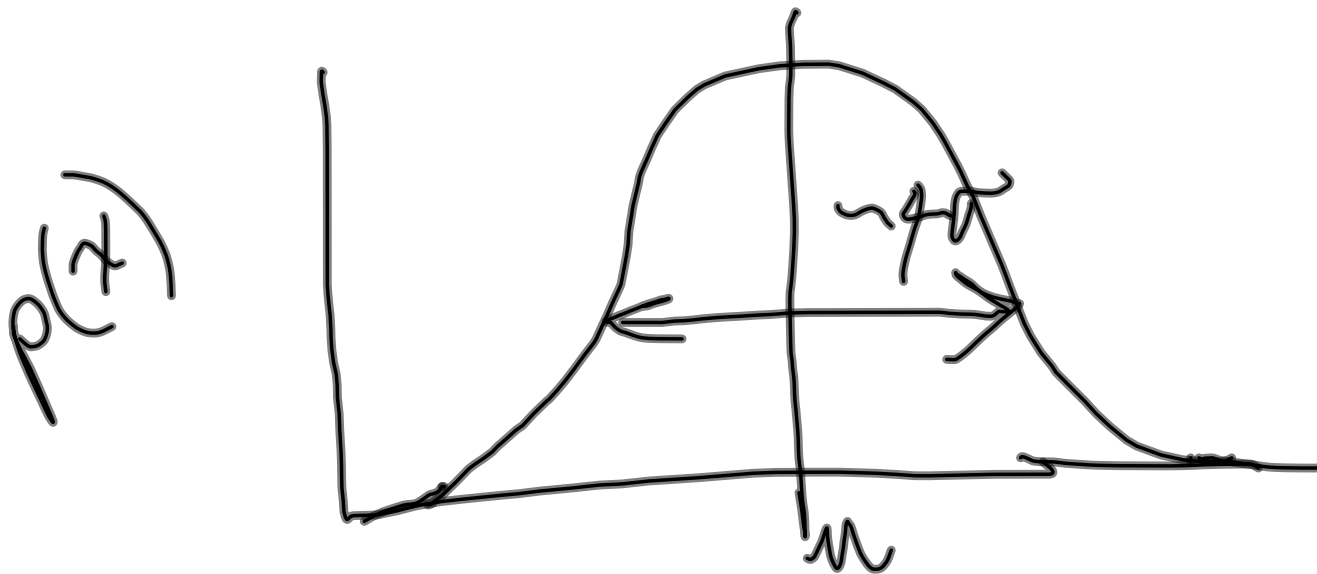
✓ Poisson

✓ Uniform

Normal

Normal (μ, σ)

$$p(x) = \frac{e^{-\frac{1}{2}\left(\frac{x-\mu}{\sigma}\right)^2}}{\sigma\sqrt{2\pi}}$$



Central Limit Theorem

A sum of n independent random variables whose individual distributions are arbitrary will have a normal distribution if n is large enough