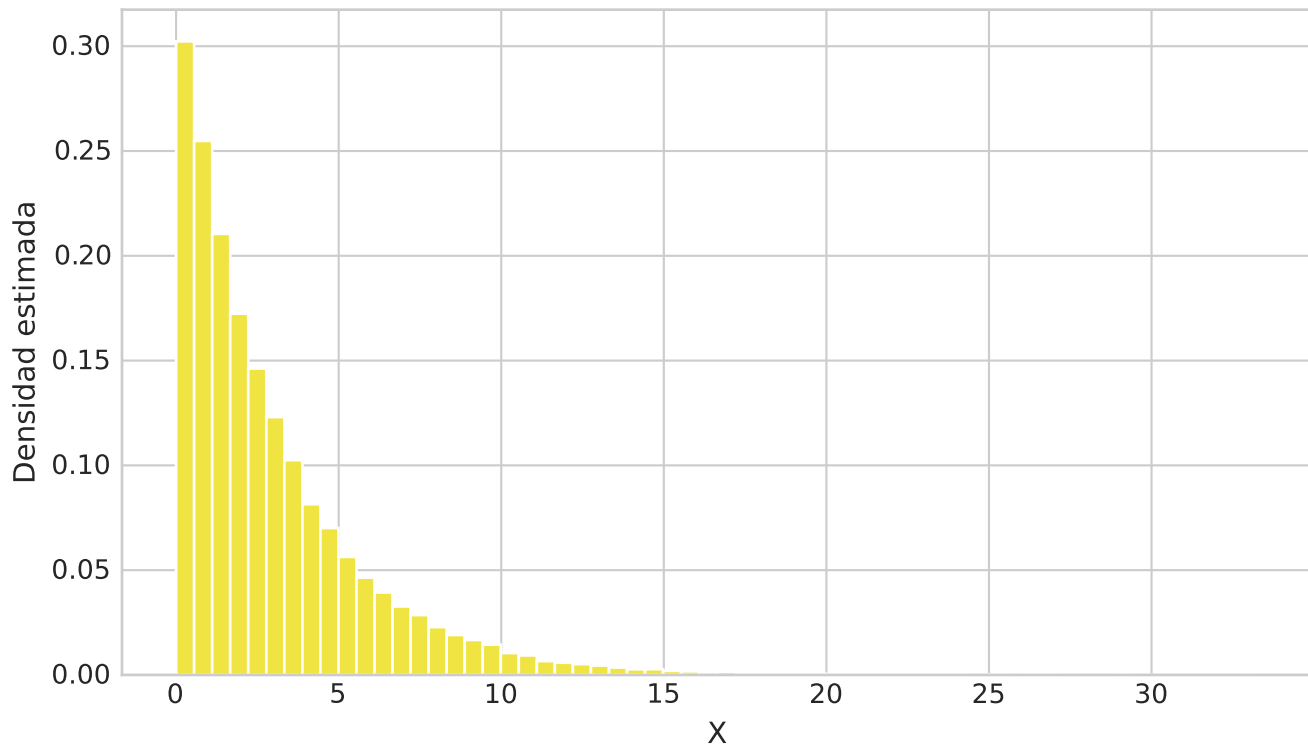
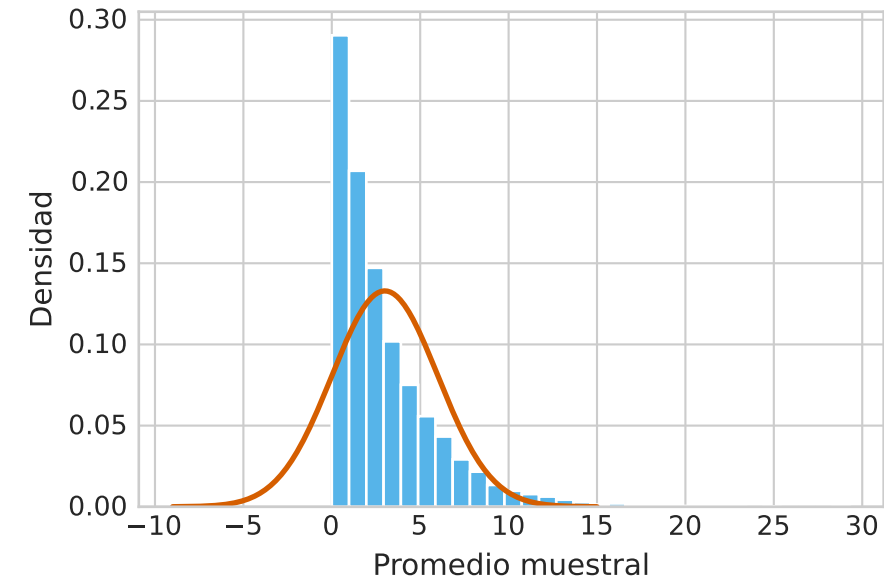


$$f_{X_{\text{Exp}}}(x) = \frac{1}{3}e^{-x/3}, \quad x > 0$$

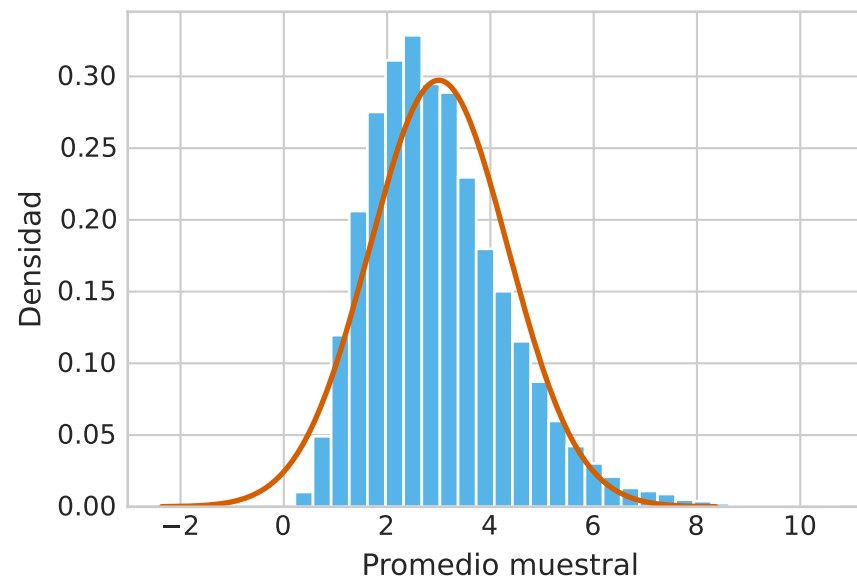


# Convergencia de medias muestrales para $X_{\text{Exp}} \sim \text{Exp}(\lambda = 1/3)$

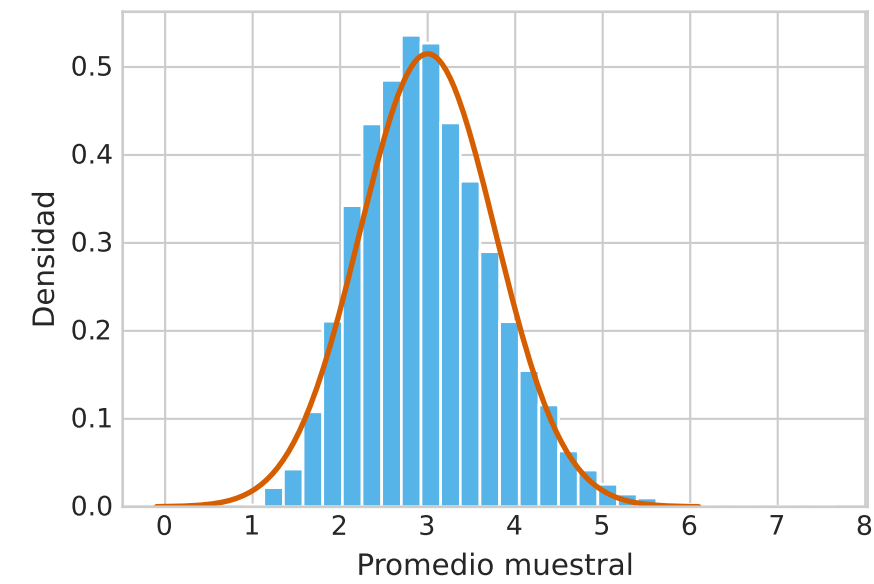
$n = 1$



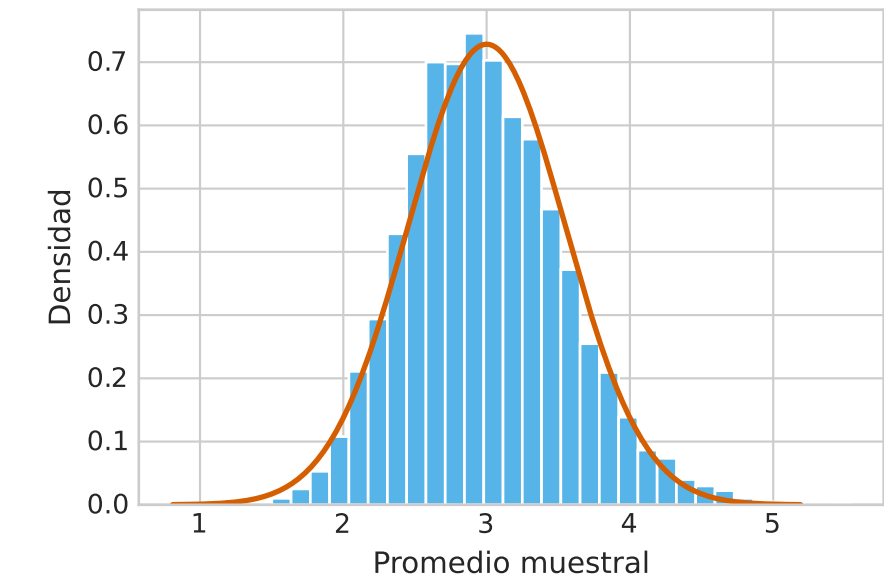
$n = 5$



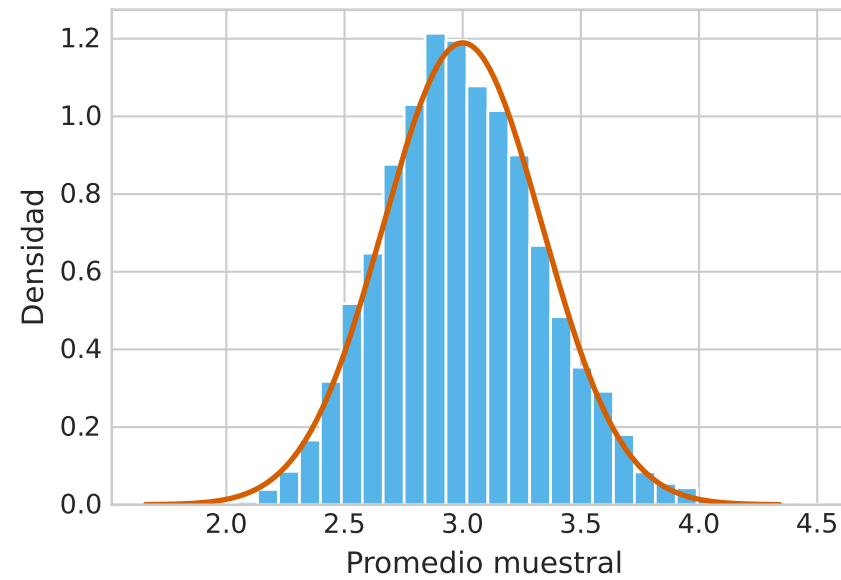
$n = 15$



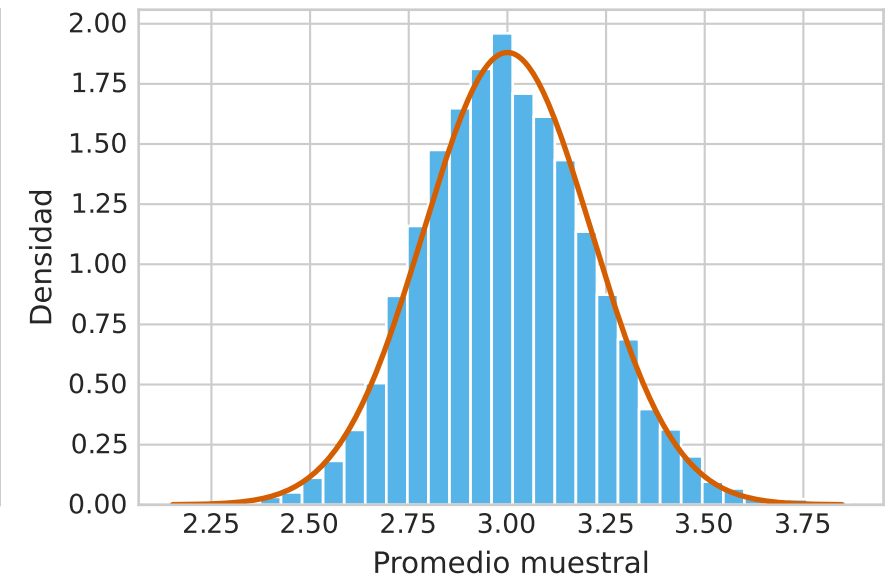
$n = 30$



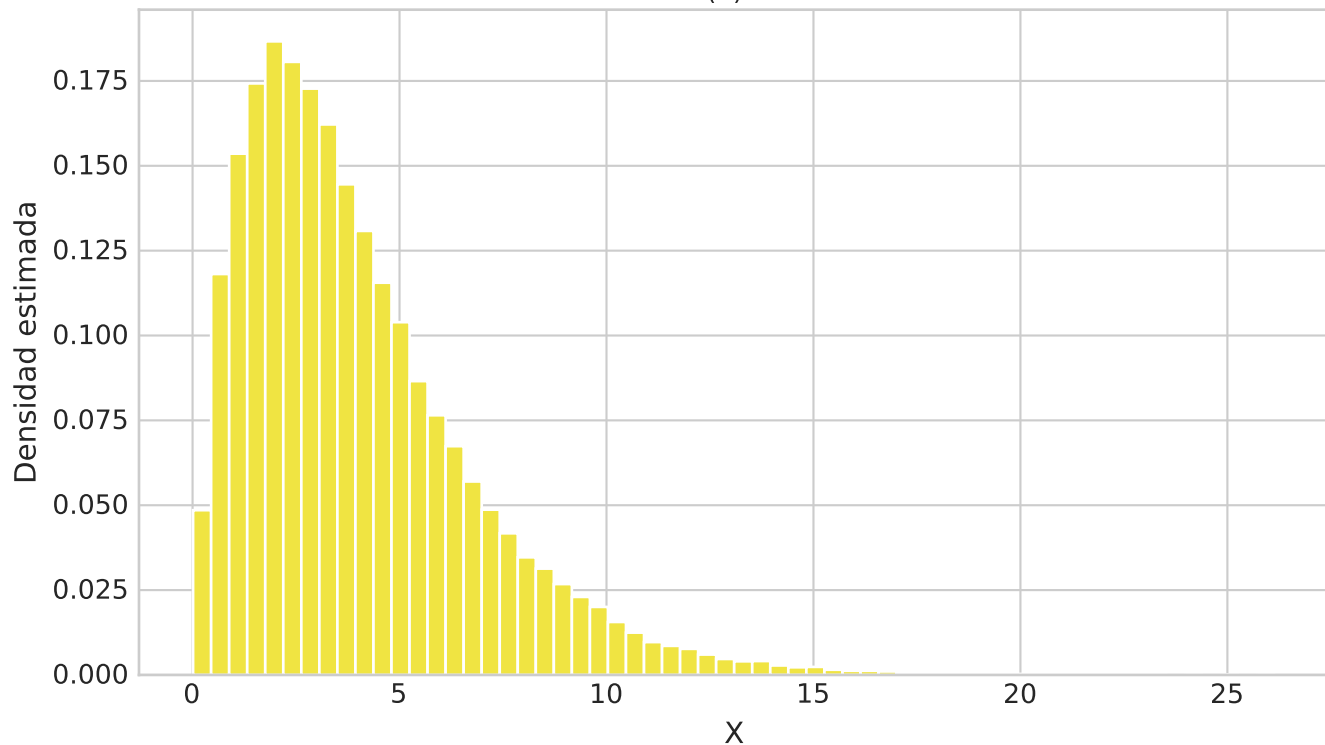
$n = 80$



$n = 200$

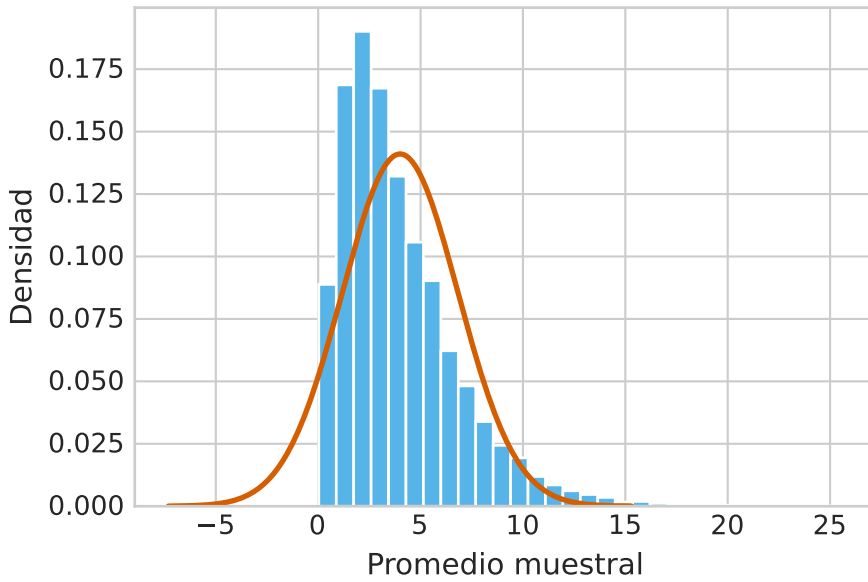


$$f_{X_{\Gamma}}(x) = \frac{x^1 e^{-x/2}}{\Gamma(2) \cdot 2^2}, \quad x > 0$$

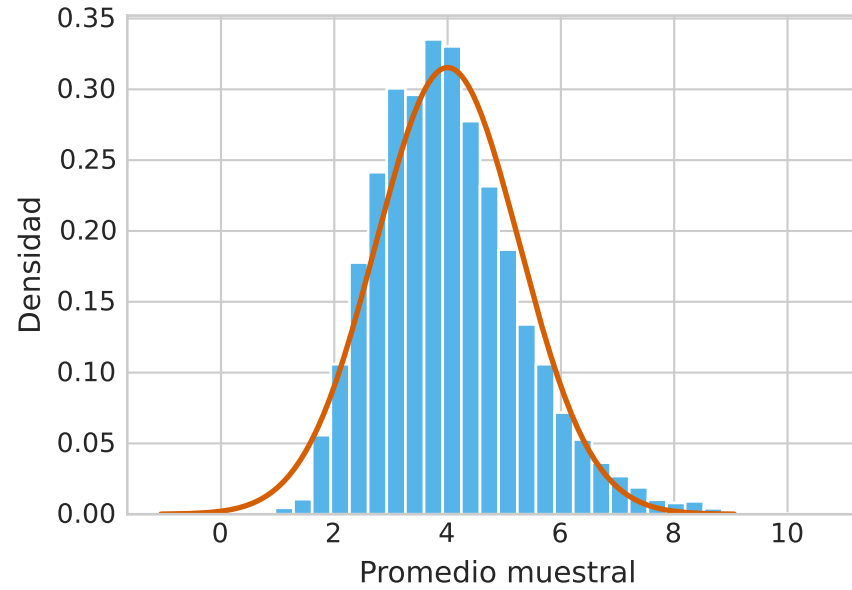


# Convergencia de medias muestrales para $X_{\Gamma} \sim \text{Gamma}(k = 2, \theta = 2)$

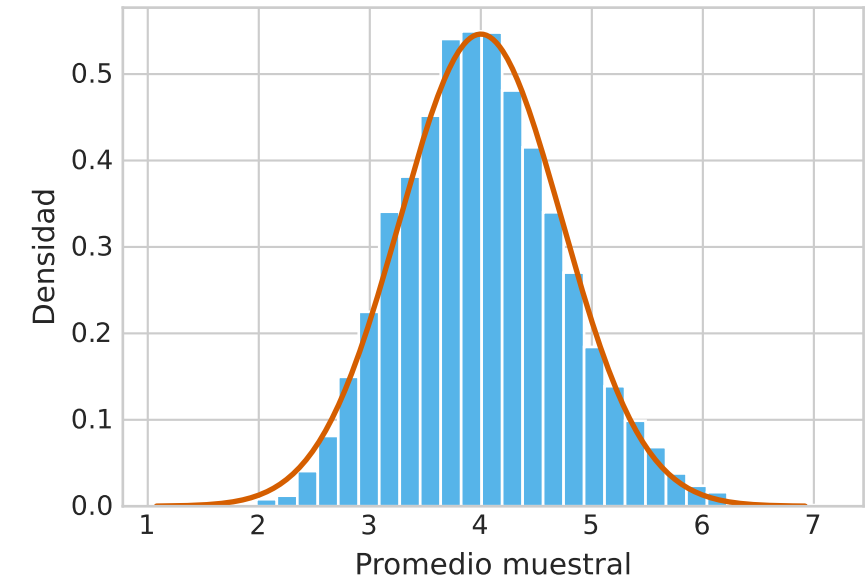
$n = 1$



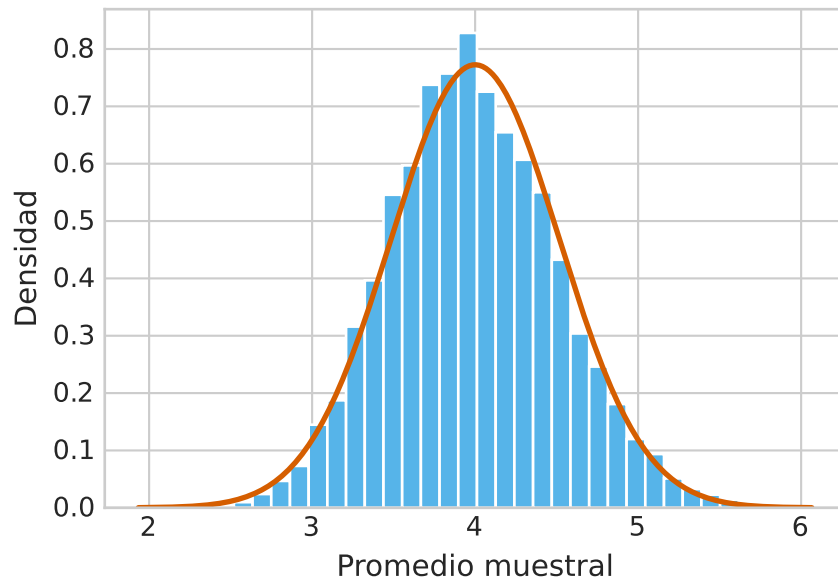
$n = 5$



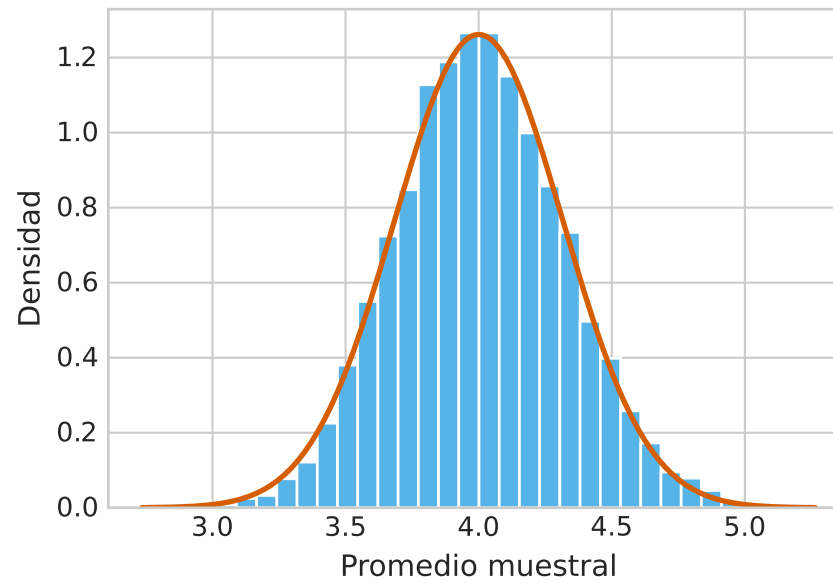
$n = 15$



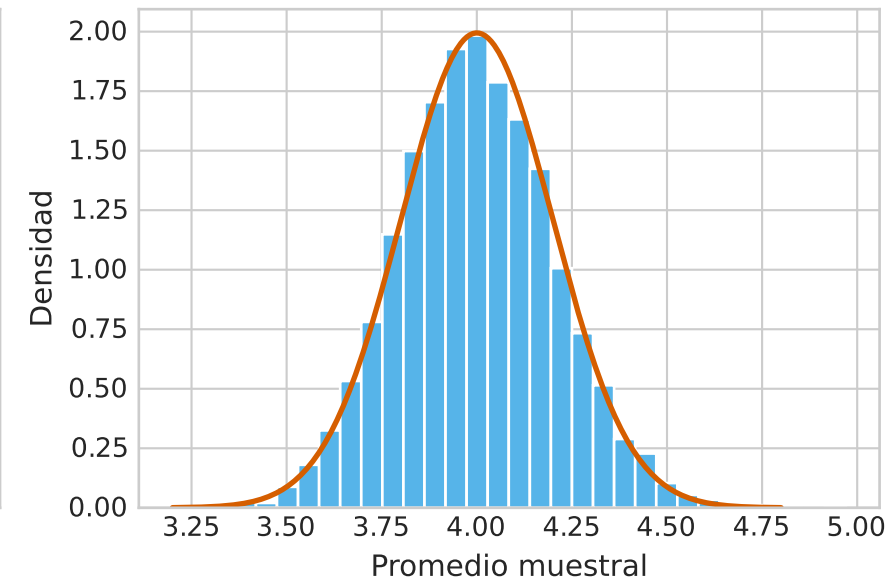
$n = 30$



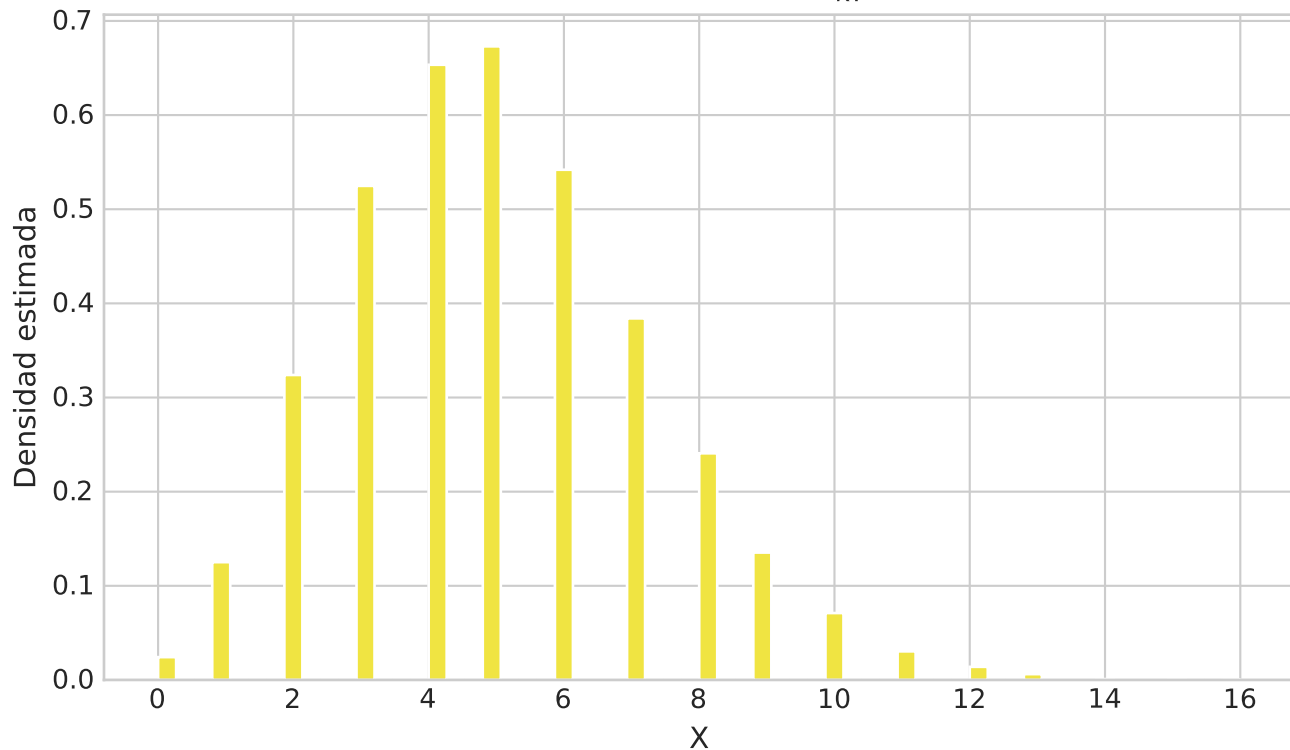
$n = 80$



$n = 200$

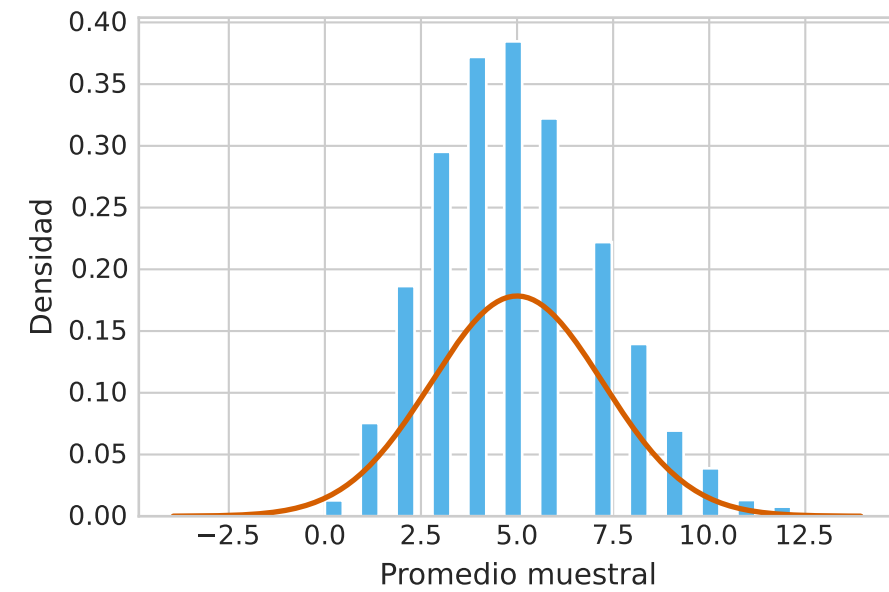


$$P(X_{\text{Pois}} = k) = e^{-5} \frac{5^k}{k!}$$

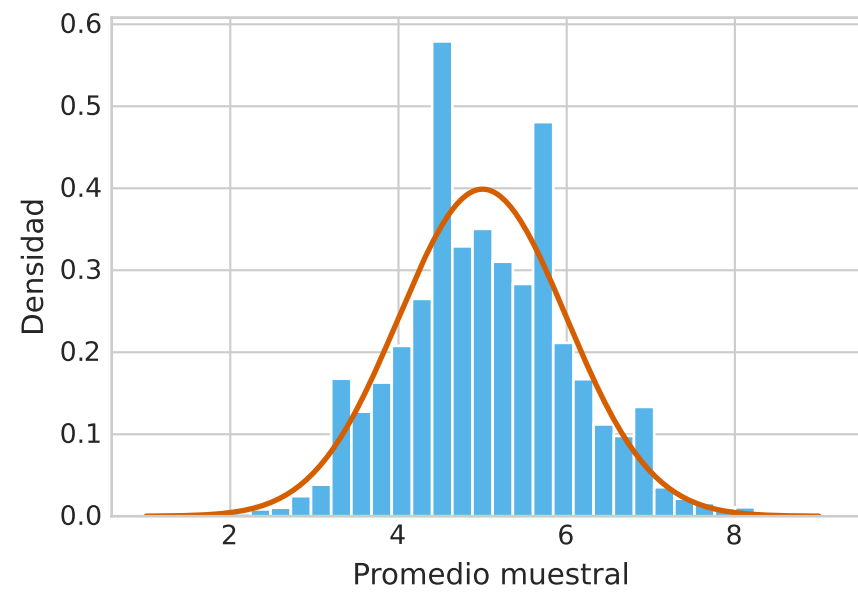


# Convergencia de medias muestrales para $X_{\text{Pois}} \sim \text{Pois}(\lambda = 5)$

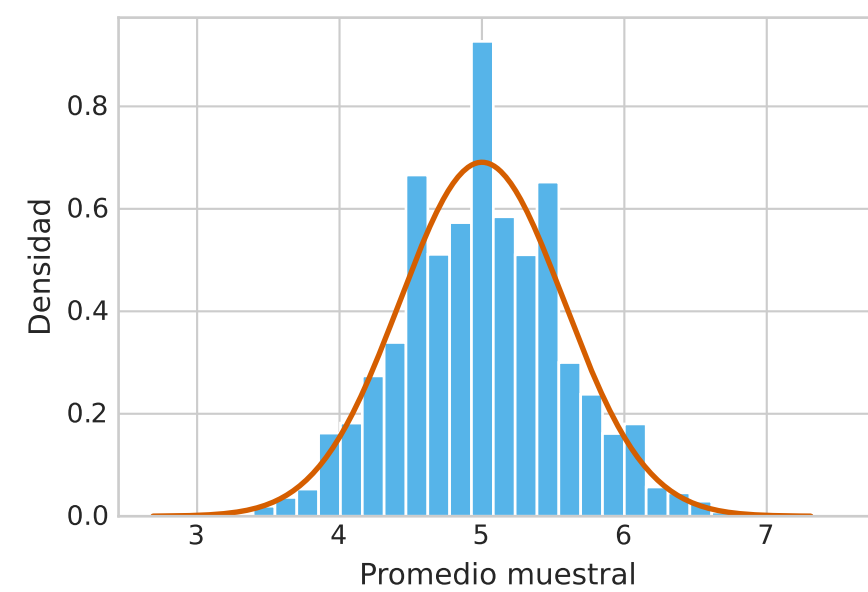
$n = 1$



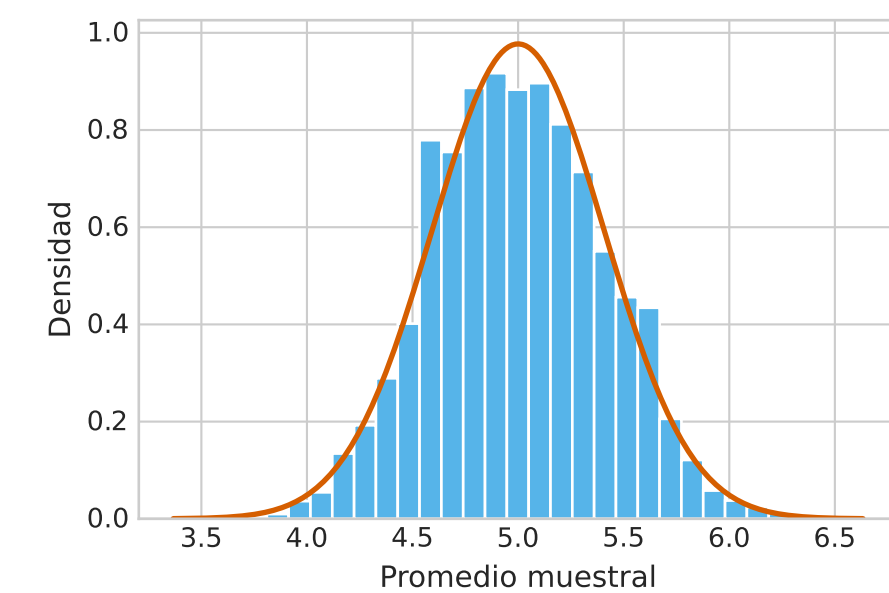
$n = 5$



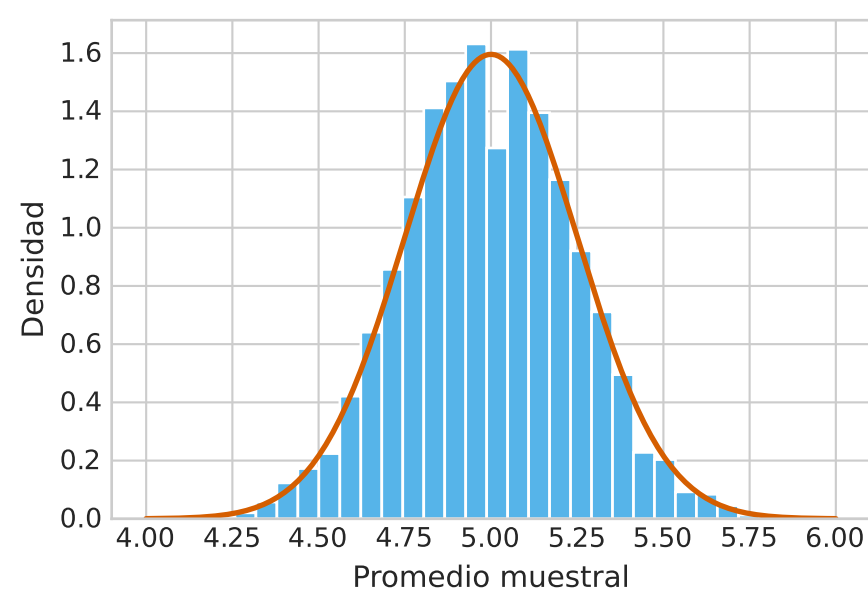
$n = 15$



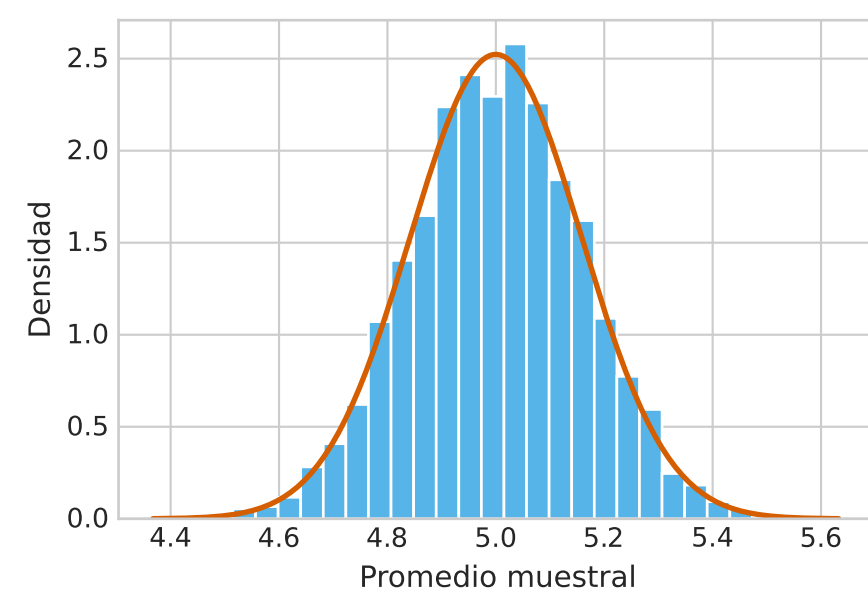
$n = 30$



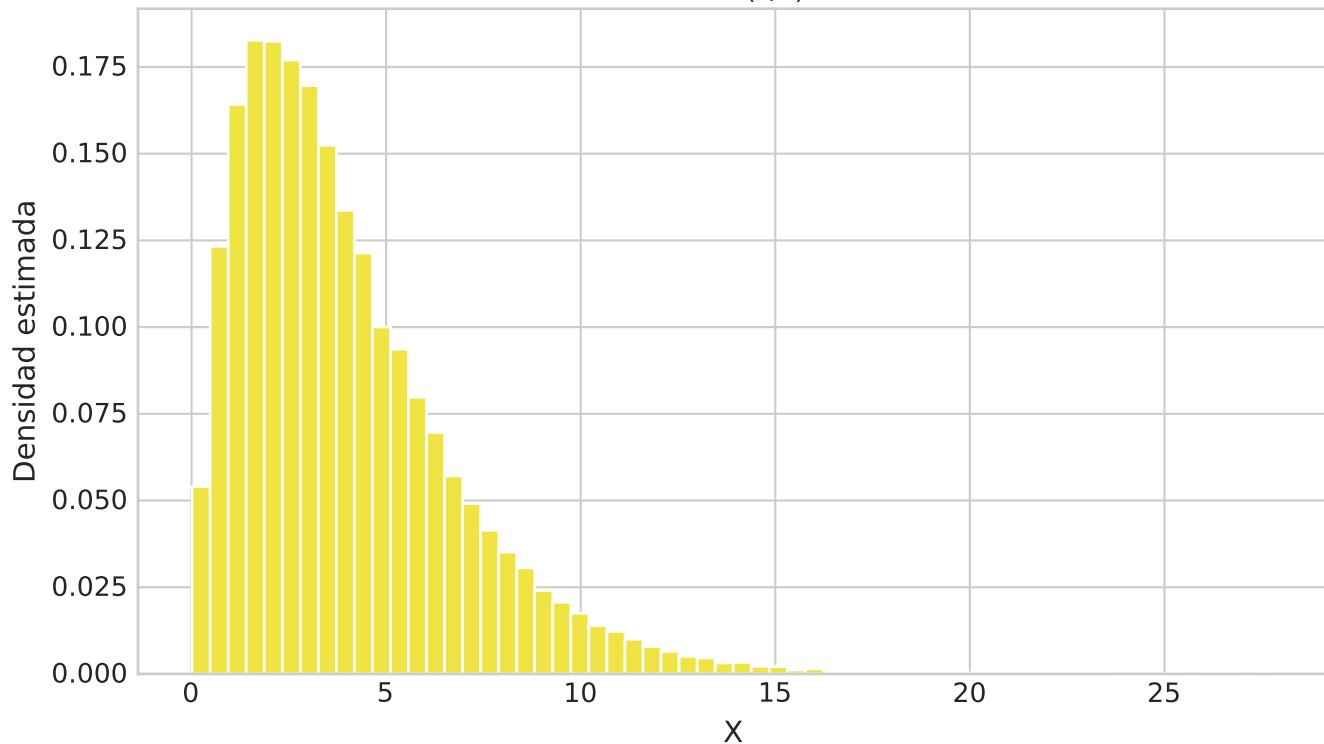
$n = 80$



$n = 200$

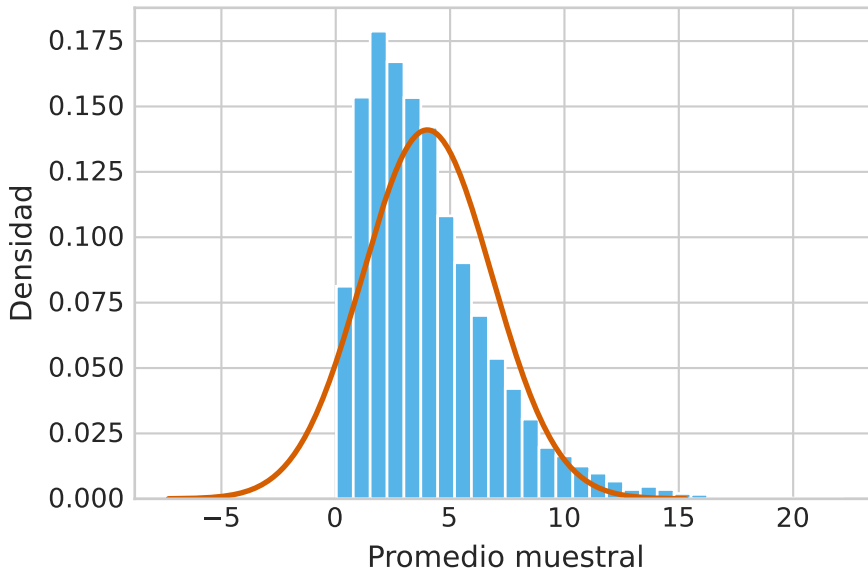


$$f_{X_{\chi^2}}(x) = \frac{x^{\nu/2 - 1} e^{-x/2}}{2^{\nu/2} \Gamma(\nu/2)}, \quad x > 0$$

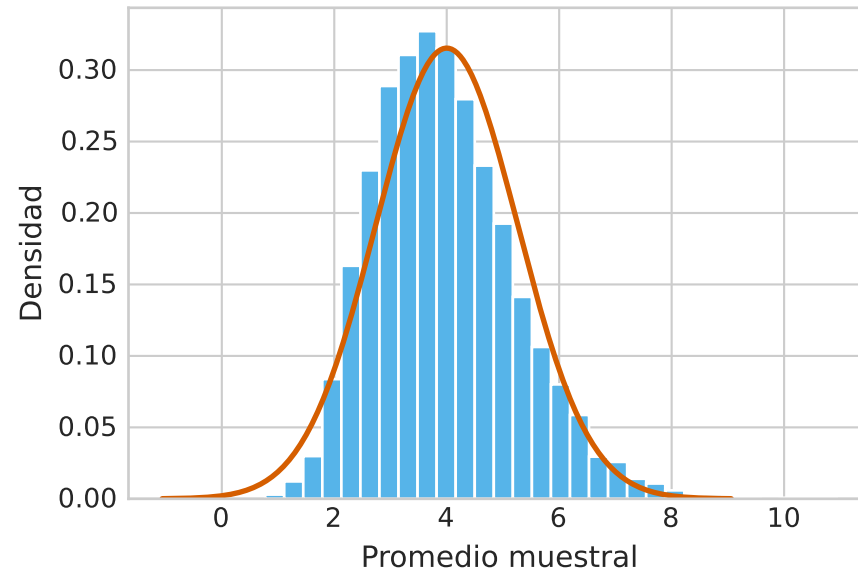


# Convergencia de medias muestrales para $X_{\chi^2} \sim \chi^2(\nu = 4)$

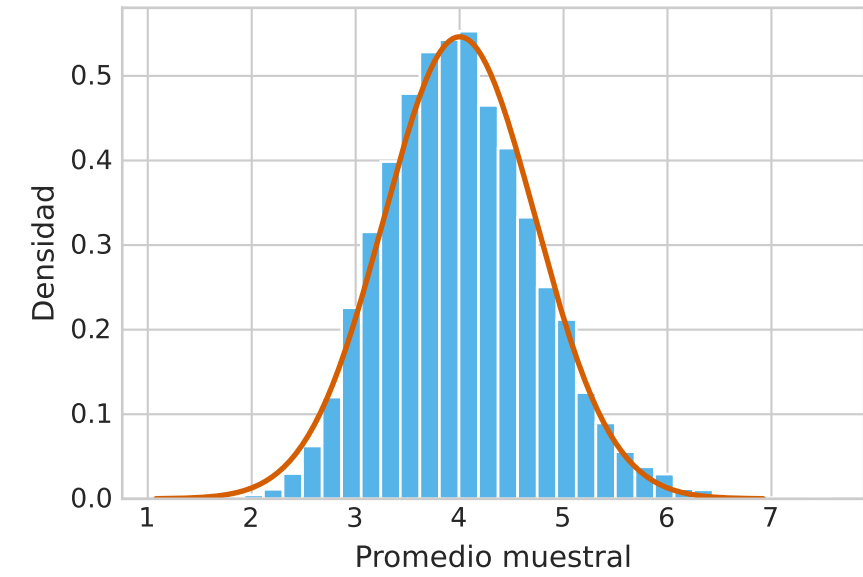
n = 1



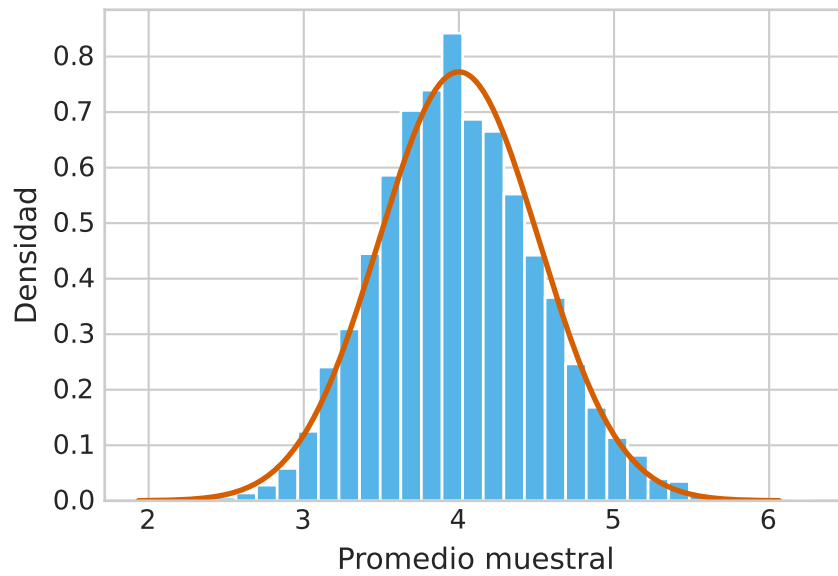
n = 5



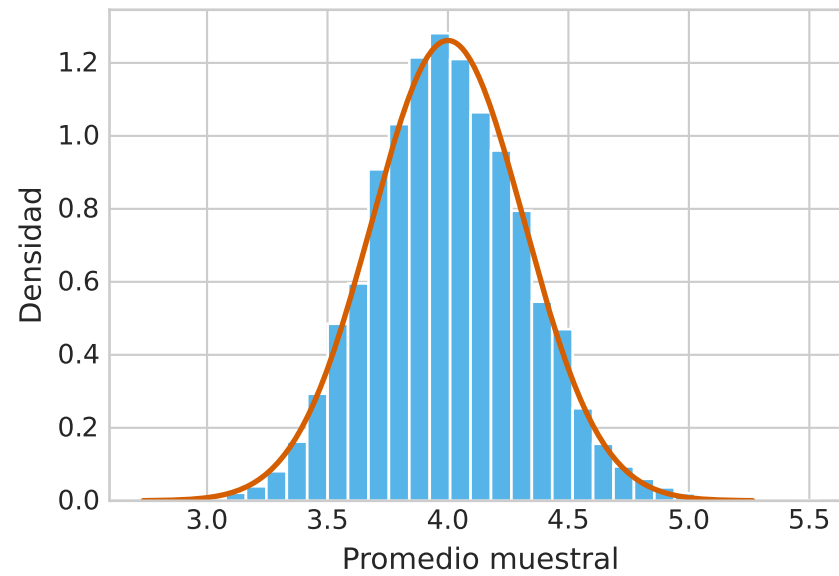
n = 15



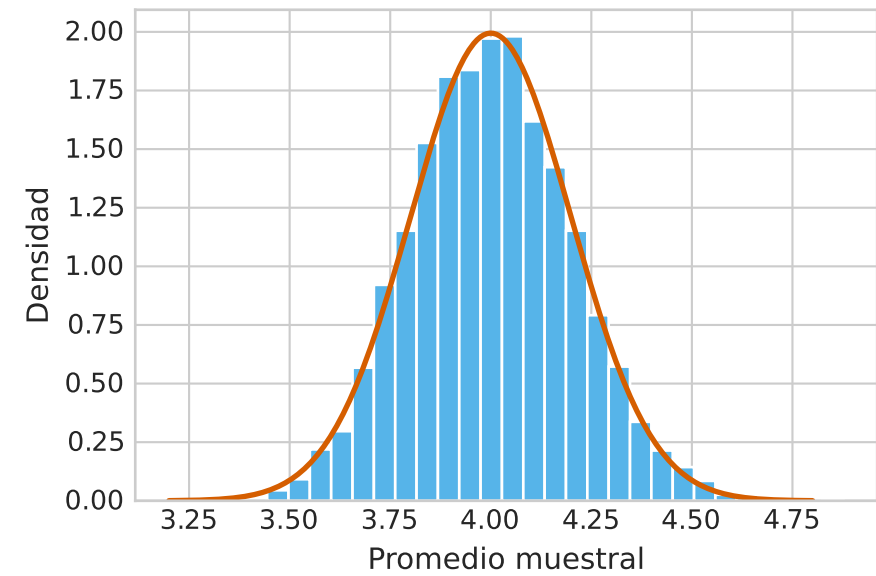
n = 30



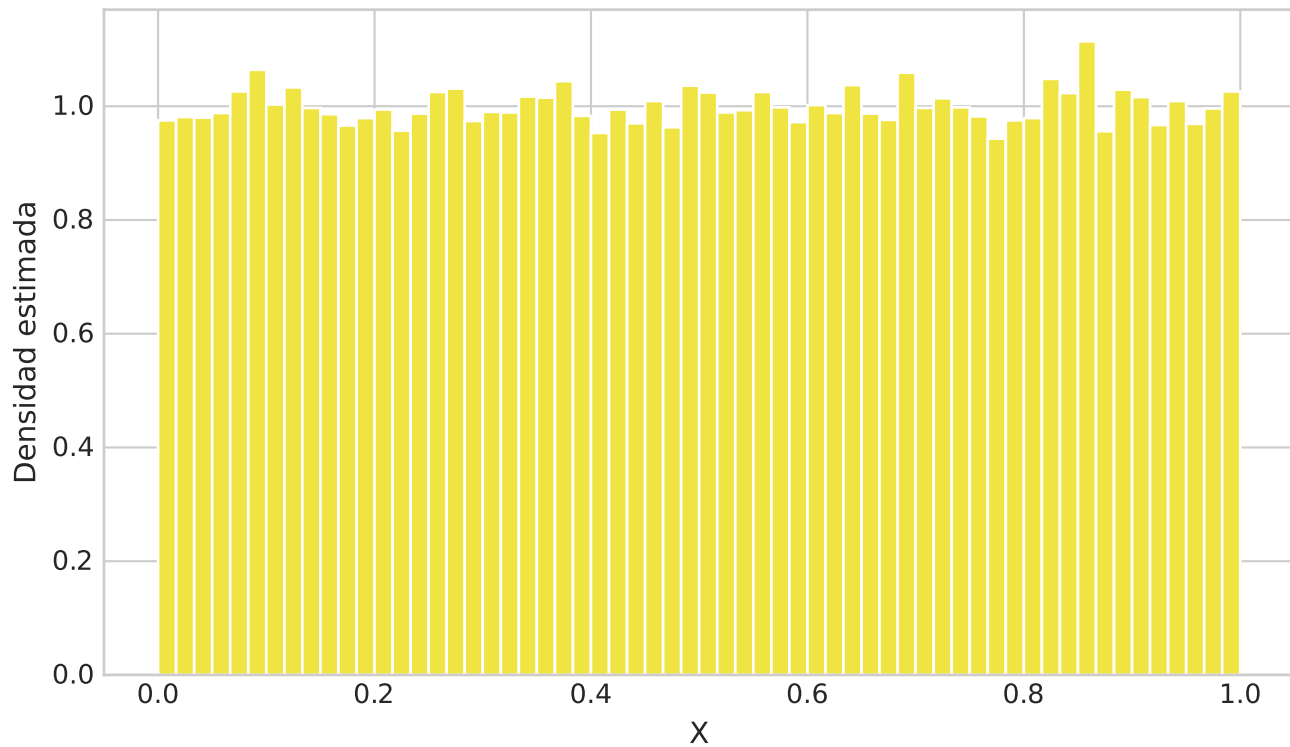
n = 80



n = 200

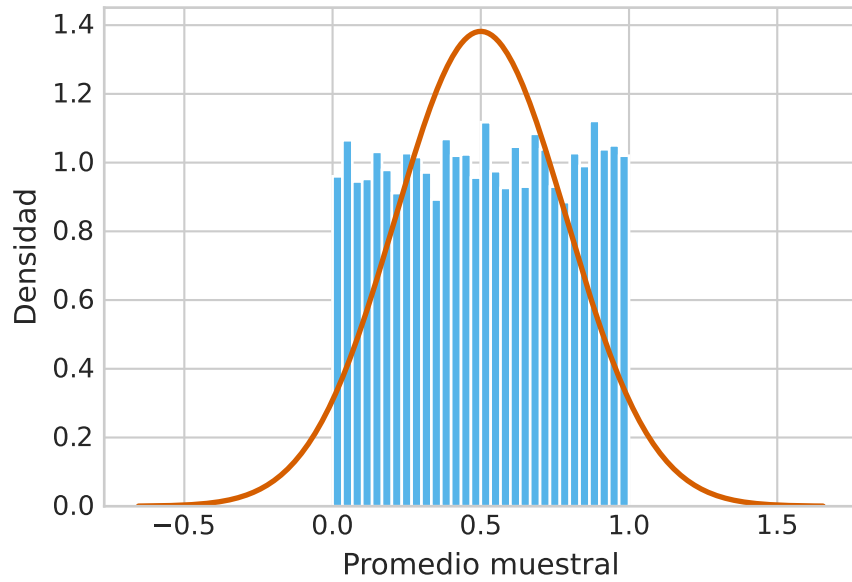


$$f_{X_{\text{Unif}}}(x) = 1, \quad 0 < x < 1$$

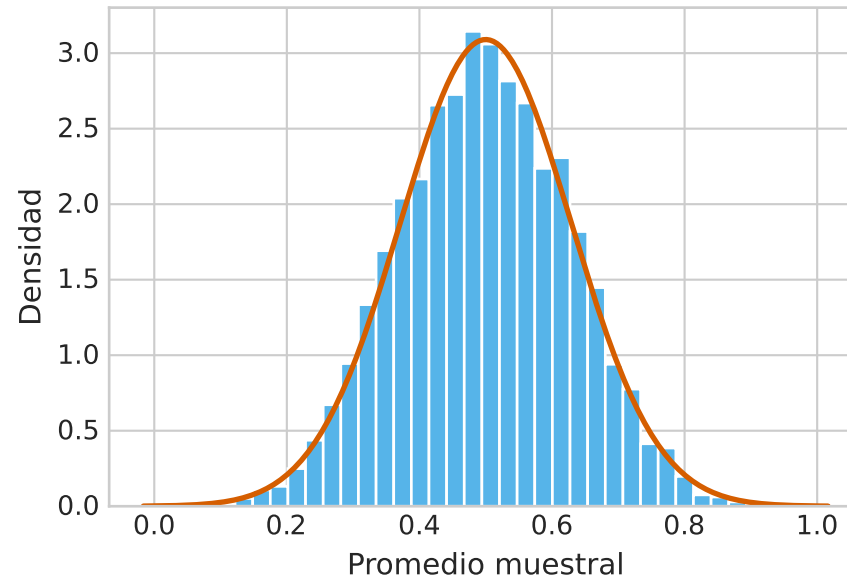


# Convergencia de medias muestrales para $X_{\text{Unif}} \sim \text{Unif}(0, 1)$

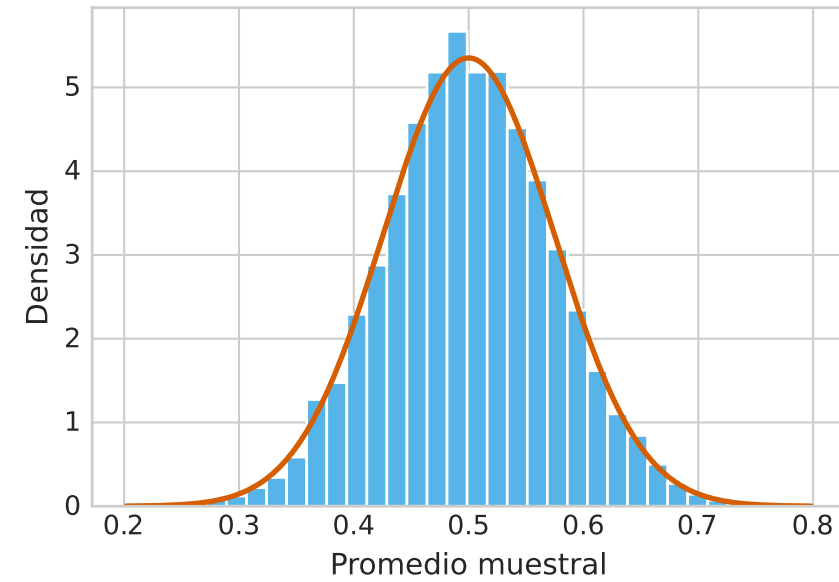
$n = 1$



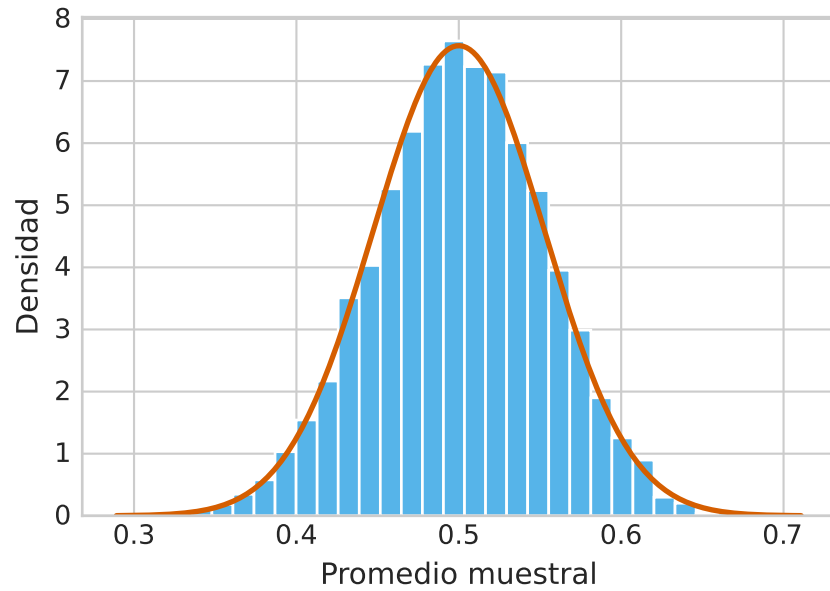
$n = 5$



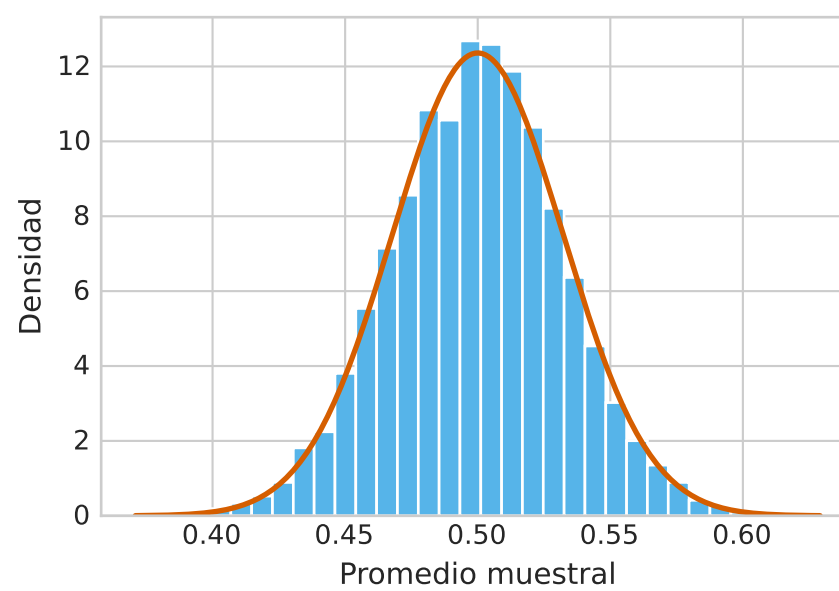
$n = 15$



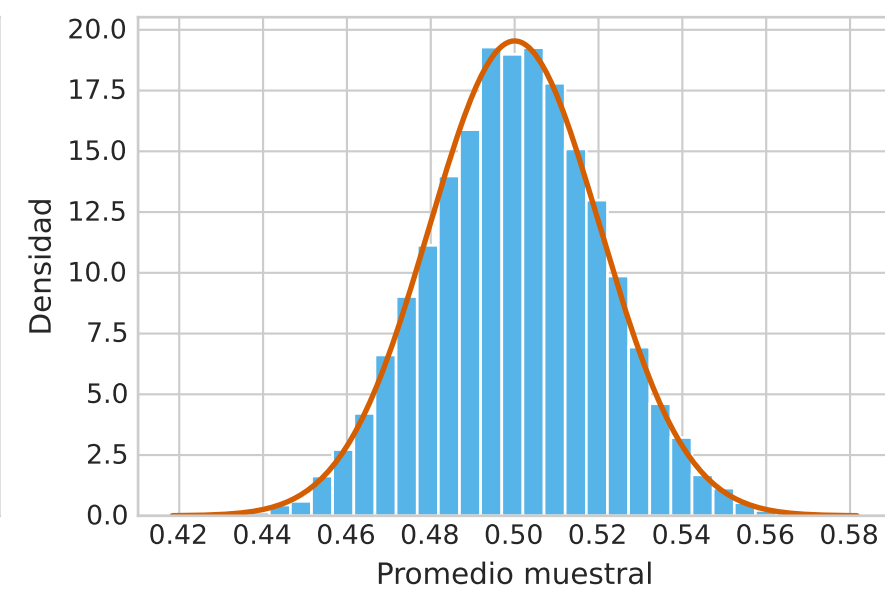
$n = 30$



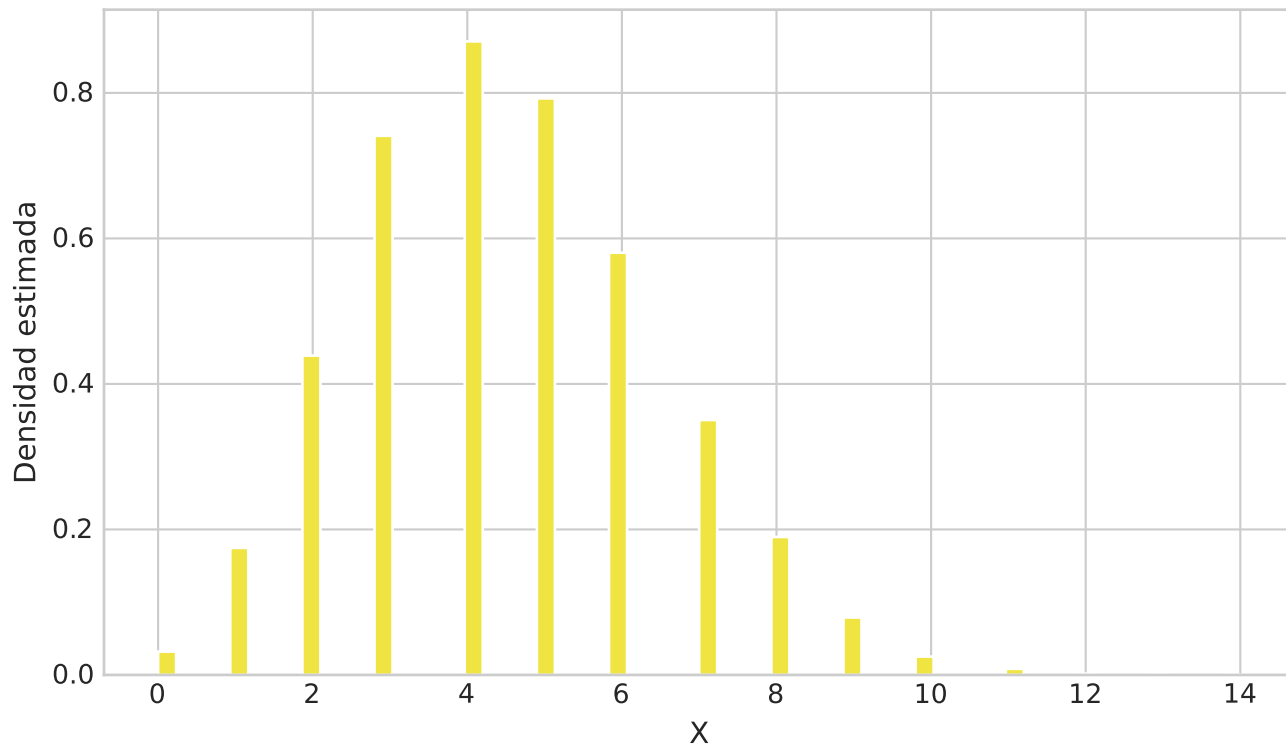
$n = 80$



$n = 200$

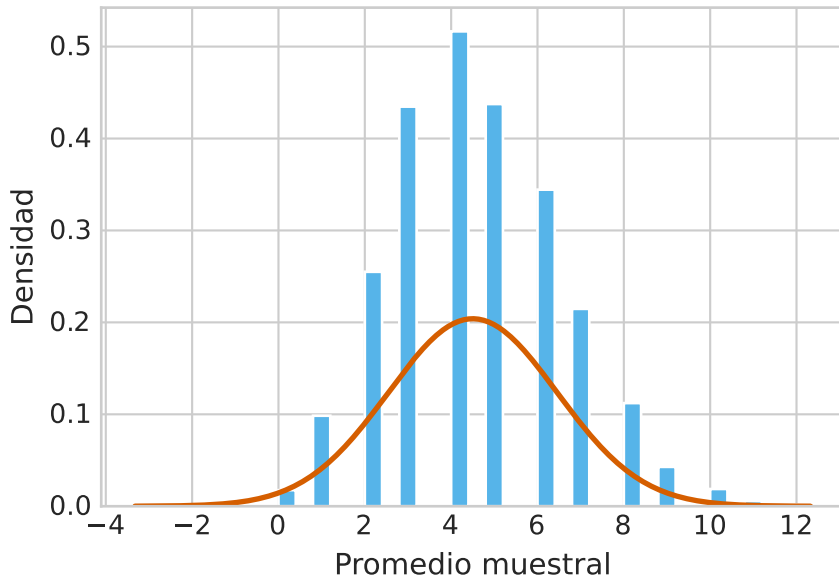


$$P(X_{\text{Bin}} = k) = \binom{30}{k} 0.15^k 0.85^{30-k}$$

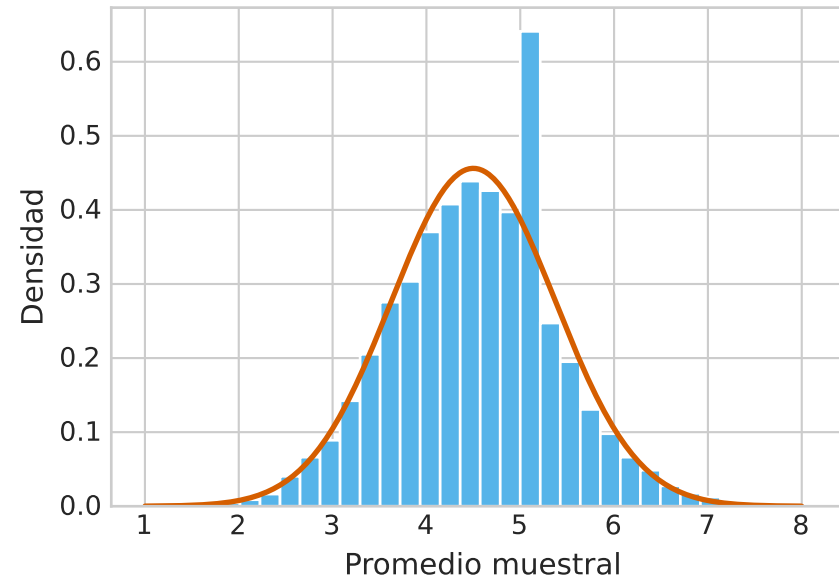


# Convergencia de medias muestrales para $X_{\text{Bin}} \sim \text{Bin}(n = 30, p = 0.15)$

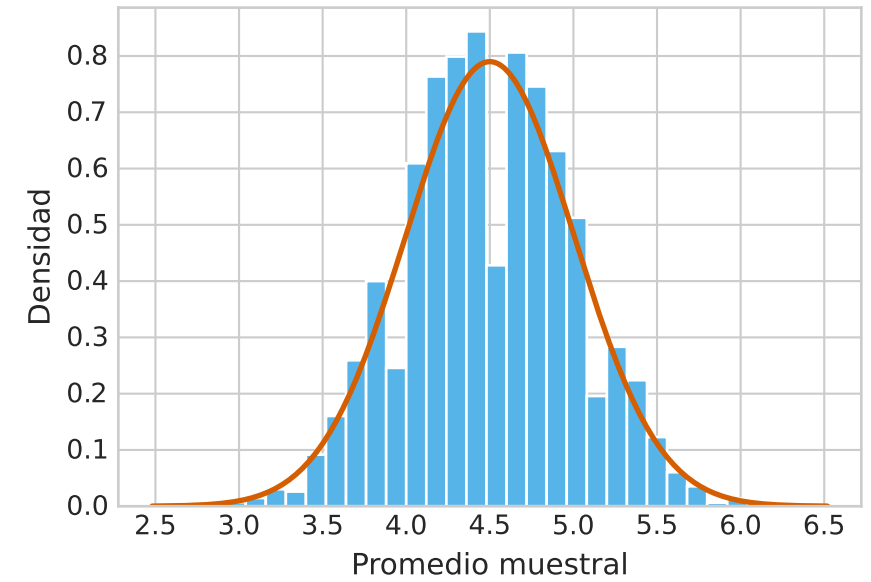
$n = 1$



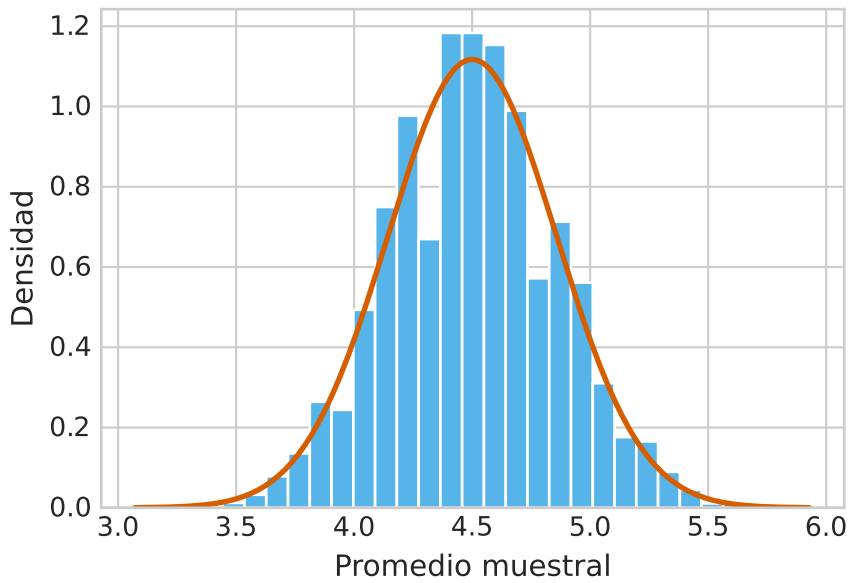
$n = 5$



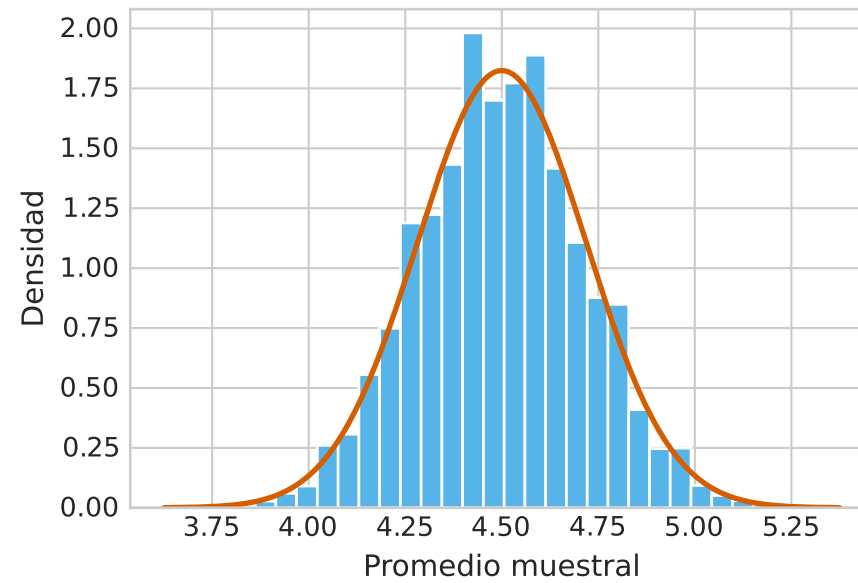
$n = 15$



$n = 30$



$n = 80$



$n = 200$

