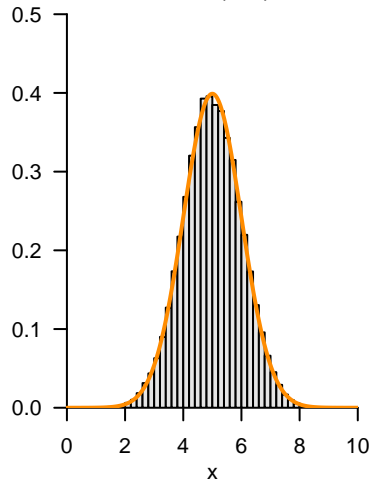
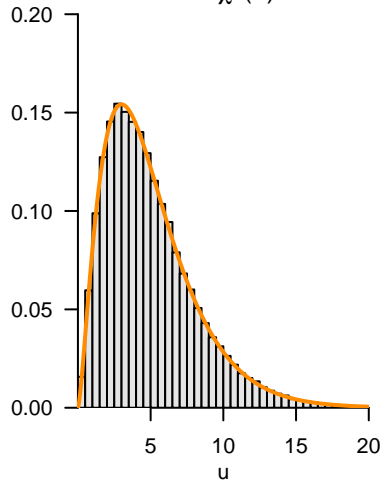


$X \sim N(5,1)$



$U \sim \chi^2(5)$



$T = X/\sqrt{U/n} \sim t(5,5)$

