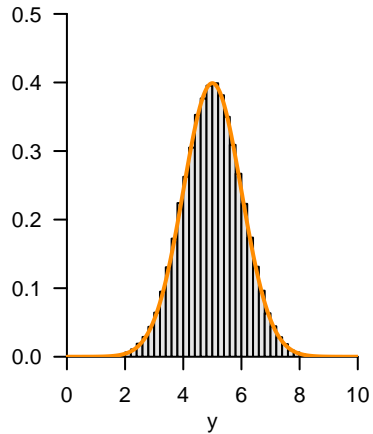
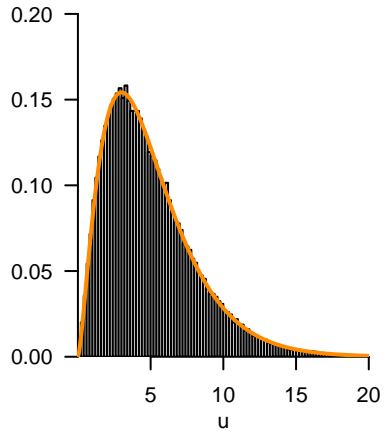


$$y \sim N(5, 1)$$



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



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

