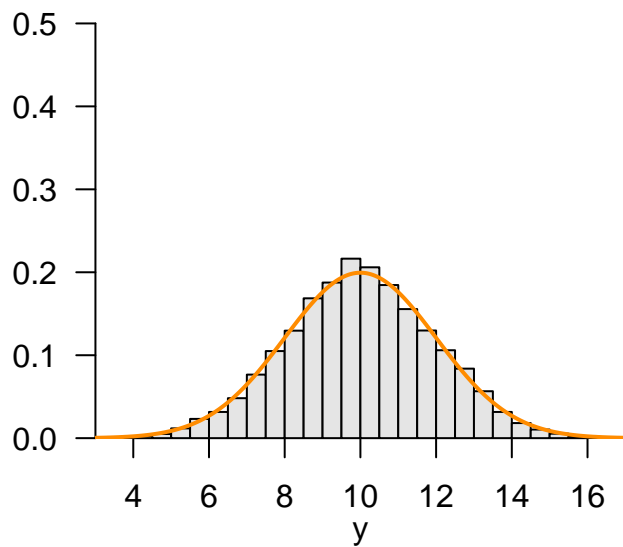
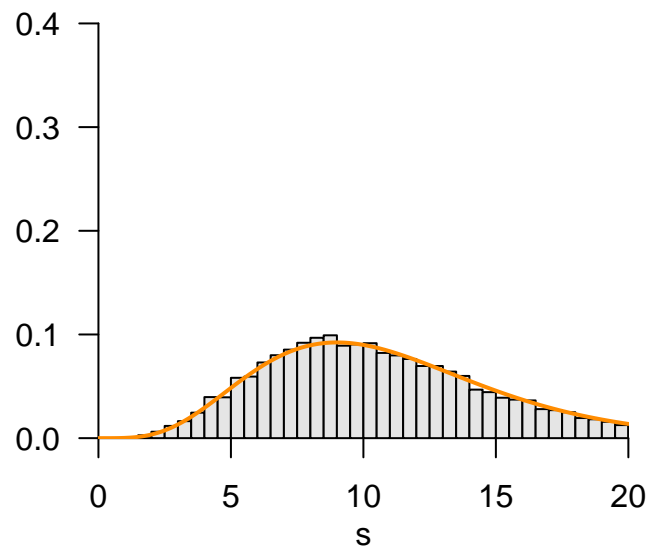


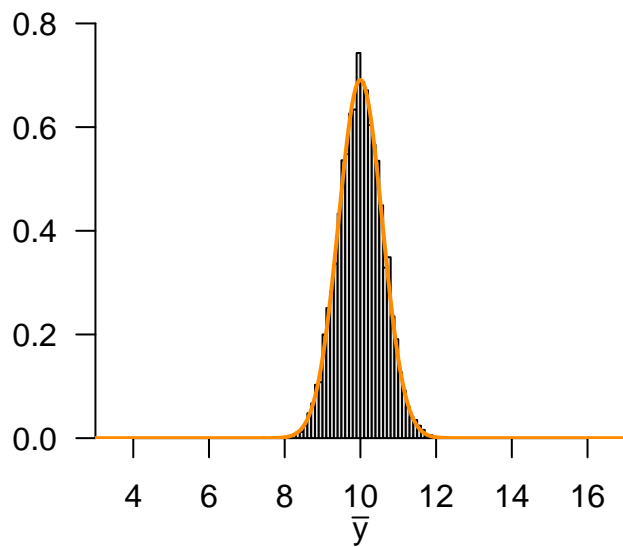
$$v_i \sim N(10, 4), \quad i = 1, \dots, 12$$



$$\frac{n-1}{\sigma^2} S^2 \sim \chi^2(11)$$



$$\bar{v} \sim N(10, 1/3)$$



$$T \sim t(11)$$

