Anthony Nasser HWS CSCI 104

Probability

$$\frac{15}{15} \cdot \frac{14}{15} \cdot \frac{13}{15} \cdot \frac{11}{15} \cdot \frac{11}{15} \cdot \frac{10}{15} \cdot \frac{9}{15} \cdot \frac{8}{15} = 0.[01]$$

$$91 \quad 91 \quad 93 \quad 94 \quad 95 \quad 96 \quad 97 \quad 91$$

$$\frac{5}{10} \cdot \frac{4}{10} \cdot \frac{7}{10} \cdot \frac{6}{10} \cdot \frac{5}{10} = \frac{4100}{100000} = \frac{21}{500} = \frac{21}{50$$

$$\sim \left(\frac{8}{5}\right) \cdot \left(\frac{21}{500}\right)^3 \cdot \left(\frac{479}{500}\right)^{\frac{1}{2}} = 9.2\%$$

above

Sane value

• if 
$$p(A|B) = P(A)$$
,  $A \otimes B$  are independent
$$p(A) = {3 \choose 2} \cdot {3 \choose 6} \cdot {3 \choose 6} \cdot {3 \choose 6} + {3 \choose 3} \cdot {3 \choose 6}^3 = {1 \choose 2}$$

$$c-3$$

$$4-6$$