

 $P(x=4) = \binom{10}{5} \binom$ 

P(X=5): (18)(15) (2) 2 0.01

P(X=x)

 $E(x) = \sum_{i} x_{i} P(X=x_{i})$   $V(x) = \sum_{i} (x_{i} - E(x))^{2} P(X=x_{i})$  V(x) = np(1-p)  $S(x) = \sqrt{np(1-p)}$   $S(x) = \sqrt{np(1-p)}$   $S(x) = \sqrt{np(1-p)}$