

Quiz 2: *Formulas*

Binomial Distribution

$$P(X = k) = {}_nC_k p^k (1 - p)^{n-k}$$

$$\mathbb{E}(X) = n p$$

$$Var(X) = n p (1 - p)$$

$${}_nC_k = \frac{n!}{k! (n - k)!}$$