

### Discrete

Bernoulli

Mean  $E[X] = p$

Variance  $\text{Var}[X] = p(1-p)$

CDF

PMF

### Hypergeometric

Mean

Variance

### Binomial

Binomial

Mean  $E[X]=np$

Variance  $\text{Var}(X) = np(1-p)$ .

PMF  $\binom{n}{x} p^x q^{n-x}$

### Negative Binomial

Mean

Variance

### Poisson

Mean

Variance

### Geometric

Mean

Variance

C

By [marina\\_b](https://cheatography.com/marina-b/)  
[cheatography.com/marina-b/](https://cheatography.com/marina-b/)

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