Distribution	Parameters	CDF	PMF/PDF	Support	Mean	Median	Mode	Variance	MGF
Bernoulli	$0 < p < 1, p \in \mathbb{R}$	$\begin{cases} 0 & \text{for } k < 0 \\ 1-p & \text{for } 0 \leq k < 1 \\ 1 & \text{for } k \geq 1 \end{cases}$	$\begin{cases} q = (1-p) & \text{for } k = 0 \\ p & \text{for } k = 1 \end{cases}$	$k \in \{0, 1\}$	p	$\begin{cases} 0 & \text{if } q > p \\ 0.5 & \text{if } q = p \\ 1 & \text{if } q < p \end{cases}$	$\begin{cases} 0 & \text{if } q > p \\ 0, 1 & \text{if } q = p \\ 1 & \text{if } q < p \end{cases}$	$p(1-p)(= pq)$	$q + pe^t$
Binomial	$n \in N_0$; $p \in [o, 1]$	$I_{1-p}(n-k, 1+k)$	$\binom{n}{k} p^k (1-p)^{n-k}$	$k \in \{0, \ldots, n\}$	np	$\lfloor np \rfloor or \lceil np \rceil$	$\lfloor (n+1)p \rfloor or \lceil (n+1)p \rceil - 1$	$np(1-p)$	$(1 - p + pe^t)^n$
Poisson	$\lambda > 0$ (real) - rate	$\frac{\Gamma(\lfloor k+1 \rfloor, \lambda)}{\lfloor k \rfloor !}$, or $e^{-\lambda} \sum_{i=0}^{\lfloor k \rfloor} \frac{\lambda^i}{i!}$	$\frac{\lambda^k e^{-\lambda}}{k!}$	$k \in \mathbb{N} \cup \{0\}$;					