H358K: August 30th, 2023. Binomial Distribution. Models the number of successes in a set of independent, identically distributed Bernoulli trials. p... the probability of success in a single trial n.. the number of trials Y~Binomial(n,p)

Support (Y) = {0,1,...,n}

the pmf of Y:
$$p_{Y}(k) = \binom{n}{k} p^{k} (1-p)^{n-k} \quad k = 0,1,...,n$$