**Binomial Distribution**

1. P(x=4)=dbinom(4, size=12, prob=0.2)
2. P(X⩽4)=pbinom(4, size=12, prob=0.2)

**Poisson Distribution**

1. P(X⩽16)=ppois(16, lambda=12)
2. P(X⩾17)=ppois(16, lambda=12, lower=FALSE)

**Geometric Distribution**