1. What is the mean value of a variable which follows Bernoulli distribution?
   1. p
   2. 1-p
   3. P-1
   4. P(1-p)
   5. np
2. What is the mean value of a variable which follows Binomial distribution?
3. p
4. 1-p
5. Np-1
6. P(1-p)
7. np
8. What is the R function to calculate P(X=3) if X follows Binomial distribution with n=10 and p=.2?
   1. pbinom(10,0.2,3)
   2. dbinom(3,10,0.2)
   3. dbinom(10,0.2,3)
   4. pbinom(3,10,0.2)
   5. pbinom(2,10,0.2)
9. What is the R function to calculate P(X<=3) if X follows Binomial distribution with n=10 and p=.2?

X can be 0,1,2,3

P(X<=3)=dbinom(0,10,.2)+dbinom(1,10,.2)+dbinom(2,10,.2)+dbinom(3,10,.2)

P(X<=3)=pbinom(3,10,.2)

* 1. pbinom(10,0.2,3)
  2. dbinom(3,10,0.2)
  3. dbinom(10,0.2,3)
  4. pbinom(3,10,0.2)
  5. pbinom(2,10,0.2)

1. What is the R function to calculate P(X<3) if X follows Binomial distribution with n=10 and p=.2?
   1. pbinom(10,0.2,3)
   2. dbinom(3,10,0.2)
   3. dbinom(10,0.2,3)
   4. pbinom(3,10,0.2)
   5. pbinom(2,10,0.2)

P(X<3)=P(X can be 0,1,2)=pbinom(2,10,.2)

= dbinom(0,10,.2)+dbinom(1,10,.2)+dbinom(2,10,.2)