$$\mathbb{P}(hit) = p = 0.7 \quad \mathbb{P}(miss) = 1 - p = 0.3$$

1. What is the probability that you hit 7 or more of your shots?

$$X = \ \#\, hits \ \ in \ \ 10 \ \ shots$$

$$R_X = \{0,1,2,3,4,5,6,7,8,9,10\}$$

$$X \sim Bin(10, 0.7)$$

$$\mathbb{P}(X \geq 7) = \mathbb{P}(X = 7) + \mathbb{P}(X = 8) + \mathbb{P}(X = 9) + \mathbb{P}(X = 10) =$$

$$= \binom{10}{7}(0.7)^7(0.3)^3 + \binom{10}{8}(0.7)^8(0.3)^2 + \binom{10}{9}(0.7)^9(0.3)^1 + (0.7)^{10} =$$

$$= 0.650$$

The probability that I hit 7 or more shots is 0.650.