Mod 12 homework

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Food choice by chipmunks

1. The probability that a chipmunk eats an acorn is 0.47.
2. The probability that a chipmunk easts an kernel of corn is 0.52.
3. The probability that the chipmunk eats a kernel of corn after it has eaten 6 kernels of corn is 0.18.

Water usage

1. The probability that less than 60 gallons of water by this household on a random day is 0.066.
2. The probability that between 75 and 150 gallons is used by this household on a random day is 0.772.
3. The probability that more than 100 gallons is used by this household on a random day is 0.308.

R stuff

library(NCStats)

distrib(60,mean=90,sd=20)

a<-distrib(150,mean=90,sd=20)

b<-distrib(75,mean=90,sd=20)

(a-b)

distrib(100,mean=90,sd=20,lower.tail = FALSE)