Sample Problems:

1. There is a 0.85 probability that a randomly selected adult knows what Twitter is. We have 5 people randomly selected.
(a) Find the probability that no one among the 5 people know what Twitter is.
$^{7.59\times10^{-5}}$ (b) Find the probability that exactly 3 people among the 5 people know what Twitter is.
(c) Find the probability that at most 1 person among the 5 people know what Twitter is.
$^{0.00223}$ (d) Find the probability that at least 2 people among the 5 people know what Twitter is.
 2. It has been observed that the average number of traffic accidents requiring medical assistance on the Hollywood Freeway between 7 and 8 AM on Wednesday mornings is 1.2. (a) What is the chance that there will be a need for exactly 2 ambulances on the Freeway, during that time slot on any given Wednesday morning?
(b) What is the chance that there will be a need for more than 2 ambulances on the Freeway, during that time slot on any given Wednesday morning?