Section 3.2: The Binomial Probability Distribution

Thursday, May 28, 2015 11:07 AM

binomial experiments:

- 1) have n identical trials
- a have only two possible outcomes

Yes/No up/dan Pass/Fail on/of

-> we call one atcome a success S and the other a failure F

- (3) the probability of success is equal to p and remains the same from trial to trial P(success) = p P(failure) = 1-p = q
- (4) the trials are independent
- (5) we are interested in x the number of successes observed during the in trials

x = 0, 1,2, ... n

note: x is bounded with max and min values