

X~Hyper (2,K,N) = (K)(N-K) = Bern (K) Sup 6x7= 90,18 (1) } b (0) = (x) (N-K) = N - K = 1 - K = 1 - pb(T) = (K) (HK) K = P N = { 2, 3, 4, 1 - . } K & & 1, 2, ... N-13 n & 3 112 1- N-13 Consider the following cases self note a) / ~ Hyper (2,4,10) , Supp [X] = {0,1,2} 1- (N-K) + S-PH[N] < m there's a has of 10 marbles 4 are roosdered success! You pull out 2 5' Question country the number of successes Of the 2 you pulled out how many sucressess can yough? b) X~Hyper (5,4,10) , Supp[x]= 90,1,23,43 (001 mpossible, only 6 failures) c) XNH yper (8,4,10) | Sapp [X] = {2,3,4,3 d) X ~ Hyper (5,710), Snpp [X] = {2,3, cv,5} Coneralize cases a - 2 a) nck, ncN-K OnzKINZN-K 5~10[x]={011,00,10} Supp (x) = {n-(N-14),..., K} DUKKIUSH-K b) nzk,nKN-K Supp [+]= 8 n-(N-K) , m) Sup[x] = {0,1,... K)

