Problema 5 C = "celalàgia" X = " numero de parcients amb celalàgia" X~ Bonib) = 0,01 P(X==)= (2) P. (1-p)n-k al P(X=0) = (6)(0'01)0. (0'99)6 = = 0'99 = 10'9415 = doinom (0, 6, 0.01) 61 P(X>1) = P(X=2)+P(X=3)+..+P(X=6) = 1- P (X=1) = 1- (P(X=0) + P(X=1)) = 1- (0'99 + 6.0'01.0'995 = 1 - (pbinom (1, 6,0.01)) = 1 - (dbinom (0,6,0.01) + dbinom (1, 6,0.01) = 1 - 0'9986 = 0'0014 E(X) = np Var(X) = np(1p) c] X NB cn, p) n=1000 p= 0.01 E(X)= 1000.0'01 = 10 Var(x) = 1000.0'01.0'99 = 9'9 Des (x) = 199 = 31464