85.13 FO640 1 E-1(D)-+(O) he pollie in an time dinte de nero sat des donate indipendente de alveo un pelline è donate il By estrente le pline dode! ci le « pine velles de exe etter l'édorals @ P(B(A)z? 6) P(b1c)=? Modello: 22 (M, N) (D, D) (D, N) (N, D) & P= Umif (2) 7A= 12) 9.(N,N) 3 = S(D,D), (D,N), (M,D) 3 B z \$ (0,0) 3, (2 \$ (0,0), (0, N) P(A) = 3 P(B) = 1 P(C) = P(A AB) = { = P(B) P(C 1 B) = P(B) = 4 0 P(B(A) = 1 9 P(BIC) 2 1

15, 1 70640 2 Britis! A = "incluide portatore dell virus" B= Lest risulto positivo" $P_{VZ} P(B|A) = 49,88\%$ $P_{z} = P(B|A^{c}) = 0.5\%$ P(A) = 9 = 4.10-2=3(5,p)(5,m)(Mp)(M,m)3P detterminate dai valori sui singaletti (dessità discreta) ~ A = { (M, P) (V, m) } B= { (S, P), (V, P) } ANB = { (V,P)} -> P(ANB)=P(BIA) · P(A) A AB = {(5 p)} P(A' 1B) = P(B(A)). (1-P(A)) 55.2 FQ6402 Al porpe mordice _ n rome eti cui i marchiate X numero chi rome nel laghetto $P(A_{m,i} \mid X=N) = \frac{\binom{N}{m} \binom{N-7}{m-i}}{\binom{N-7}{m-i}} = f(N)$ $M \ge 10$, M = 20, $1 \ge 7$ $\rightarrow avgmax f(N) = 1283$ 65. \$ FOGUO ? Stime ewisters M = M -> N = rem A M eventi indiperdenti su (-2P) can P(AoM)=Po Ricorgal: Kearrane: $(w) \approx w \in A_n$ X_i $(w) \approx 1$ $(w) \approx w \in A_n$ X_i $(w) \approx 1$ $(w) \approx 1$ × o (w)= (1 se we Ao

P(C)=P(A))=P0 Per i 6 91. n3 P(C, n) = p(x, n = 1/x, n = 1) . P(x, n = 1) + P(x, n = 1) x = - 2. · P() = P((A, m)() Ci = { w = 2 - X 1 (w) = 1} P(Ain) {Xin = 13) + P((Ain) n {Xin = -13) indipendens $P(C_{1}^{m})=P(A_{1}^{m})\cdot P(C_{1}^{m})\cdot P(A_{1}^{m})\cdot (A_{1}-P(A_{1}^{m}))\cdot (A_{1}-P(C_{1}-D^{m}))$ P(A) 1 2 1 Coe Cindipedenti Qui: P(X1 = 1 / X1-1 = 1)= 1 n=1 PC(1 A Co) = P(A) 1 A O'S = P(A) 1 P(A) $P(x_{1}^{n} = 1) x_{1}^{n} = 0$ $P(x_{1}^{n} = 1) x_{1}^{n} = 0$ $P(x_{1}^{n} = 1) x_{1}^{n} = 0$ $P(x_{1}^{n} = 1) x_{1}^{n} = 0$ 1 Xo = Oo) = & P(Ain d(X-1=13) x0640 2 55.3 Pg. (N,Q)(K) & S(1) · 07 · (1-9) N-K & K & GO. - N} O altri went Pon (Ng) (KA1) = N! 0 9 1641 (1-9) N-16-1 (KH)! (N-K-1)! 1-9 16-11 K! (N-14! = 9. N-16. Psin(N9)(16) Bin (N, 9) (0) z (1-9) N 65.4. > SOLO UN A PROUN MA CALCOLO DOIN SORMATIONIA 89287

{ + X1 55 8 Raw 2(XI) X 7 3 v. e su (2,0) directo El (> y) anolindati > Ya weloni in E ¿ o valor in {0, 1} $\frac{1}{2} (\omega) z \left\{ \frac{\chi(\omega)}{\chi(\omega)} \right\} = \frac{1}{2} (\omega) z$ Perhanimore le devité d'incerte et ? Per 2 € 5: P (2=2) z P (2=2, \xi = 1) + P(7=2, \xi = 0) Sornula delle prob totali = P(X=7, \xi=1) + P(Y=7, \xi=0) = P(X=2) - P(\xi=1)+ P(Y=2) · (1-P(5=1)) = Q · PX + (1-q) Py