for transvian unission denoities: we have P(X|OK) = N(X |NK, ER) g (010 old) kecomes EY(ZIK) CITY + 5 5 5 5 (Zn-1,j, ZnK) CMA + E E Y (BAK) EMP (Xalok) + 25 5 without as enp(x, 19x) = en (= e = (n-nx)2) = -1 ln (2116x) - 1 (n-4x)2 -1 = K = Y (Znk) 2m(2116k2) - 1 = K Y (Znk)

-1 = K = Y (Znk) 2m(2116k2) - 1 = K = 1 (21-Me)

-1 = K = 1 (Znk) 2m(2116k2) - 1 = K = 1 (21-Me) so A and The will remain same. d. Q(0,000) = 0 + 1 = 2x(x-Nx) = 0 MK = EY(Bnx) Xn 3 Y (Zhuk) 62 = EY(Znk) (2-4k) (2=4x 3 Y (Znx) for multivariate is Ex = ZY(Znk) (n=4k) (n=4k) ZY(Zmc).