

 $\sigma = \alpha \tau (x) = \sqrt{v(x)}$ uneau and as ea E(x) E (ax +b) = a E(x) +b V (a x +b) = a2 V(x) prop varianza 6) a) X = " 400 tambores peaises per un cliente". Px={1,21-15} $E(x) = \sum_{x=1}^{n} x \cdot F(x) = 1 \cdot f(1) + ... + 5 \cdot F(5) = 2.3$ depuicion · E (x2) = \frac{5}{2} x2 . F(x) = 12 . F(1) + ... + 52 F(2) = 11 $V(x) = E(x^2) - (E(x))^2 = 4.1 - 2.3^2 = 1.81$ · at (x) = \(\nu(x) = \(\tau_{1181}\) b) Y= no as galones por me cliente " ey = { 10,20,30,40,50} y = 10 x A 10 50 30 m 00 E (10) = b(1=10) = b(10) = b(10) b.) F.d.p = P(x = 1) = fx(1) F(x) 0,4 b2) E(Y) = E(10,X) = 10, E(X) = [23] meson no S $V(x) = V(10. x) = 10^{2}.V(x) = 181$

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· E(x) = 1 = 10			
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$V(x) = \frac{1-p}{p^2}$			7-1-14-14
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M - 1 3 1 NITIOI	F. Lindberg and A. Marin C. College	1 20 201 301 1 1	1 minutes