> 1 (m) = - 1 C-5 (m-m)2 J(m) = -1 3(x-M) e- + (x-m) = J(m) > 4"(M) = Jen 03 C-2 R-M - (n-m) C- = (n-m) (- = 2(n-m) + ONOWN MORMAL 0> (x) & 1 = (x) E 12HO 0-2 M-M2 -1.2/2-12 [f(x) =0]. e-1(n-m)2 DISTRIBUTION 0-100/ to get 6-7 (x-m) plationery

of MM Las MAXIMUN value at not MEDIAN: John Jan 11(x) <0 at x=1 I'm for out It for found = MODE = W ( - 1 ( - 1 ) 2 dx = f(n) dn = 1/2 if it is me Median JAM due =

(moderna) Van a J Jan 1 m (m) = 1 (012) SO E- the at Joethat = fx(x) dn = (That Janen + 7 (72/p) t Smfm on M J (2) da due To out

 $= E(x^2) - E(x)^2$ Val(x)= [(x2) - (E(x))2/ VARIANCE & STANDARD DEVIATION fx (x) du = 0 = 5 TM= M  $(E(\times))^2$ この人と 2ME(x) | -4M = x f(x) dx oo Median = M. twell of faith to (wf + x & ) = So (x+M2 -2xM) forder Vas(x) = Jo (n-m) How day

is val (X) · Val(x)= 8 12n o 1257 9 - Corrat I for du - F (x-m) Ver (x) = dx = or de

Val(x) = 0 > 1 9.0=0 Val (x) = 401 11 11 1/3/2 = 1/2 [(1/2) (n+1) = 2 (m) 172 6-x 2-1 dt= dz 2 tal= 12 11 27 77

1

Quels X w N ( My o2) > P(-8 < x-24 < 8) P(1x-241) < 8] P(24-8 < X < 24 ft) P(16 C(X) < 32 > M(No Mean= 30, 8.D= 5 176 = (X) = 184 Z X X [ ] x / c a - acxca 1x No 1 2 (2-1) 2 X ~ ~ (·0, 1) X MINIMIST 1001210 ZIX-M ptanelald Nomal



