VIFANYU CSE 60647 DATA SCIENCE HM I WATTEN

2. (25) (3,8) (510) (4,11) (6,14) N=1,000,000 SAMP(Z- N=9 M=10 V=18 n(\(\S\y\) - (\(\S\y\) JAMPIE+1 1+1=10 1 : 1- XMIZO N[n2x2-(SX)2)[n2y2-Ey)2 M= 10 = 1 = Xi == M. n = 9 x 10 = 90 2xy=10+24+50+44+84 = 212 M' = 1 X Xi 5x = 20 5y= 48 2x2 = 90 2y=816 125 3-1 Xi = 2-1 Xi+ Xn+1
x=1 Xi= 2-1 Xi+ Xn+1 5 x 212 - 20 x 48 = 90+20=110 N90*5-2021(501*5-48)2 110 = (N+1) M 110 = 10 m' -(060 - 960 N 50 + 226 V=18 = 1 = (Xi-M) MGETHER. = - Xi - Mi) n.v1 - (n-1) v = = (x; - M')-= (x;-)] } BEFORE = (X n+1-M) + \(\sum_{i=1}^{\s = Wix, + -- + WKXK + b Y = W, X, + .. + UKXK + WK+1 X +b AFTER = (W,-1)+ -- + (WK-1)XK + WK+1 x +b = (X N+1-M)(XN+-)M-M+M) 5 Kt/ (Yi-Y':) 5/4 (Y:-7) $= (X_{N+1} - M)(X_{N+1} - M)$ $= (X_{N+1} - M)(X_{N+1} - M)$ $= (X_{N+1} - M)(X_{N+1} - M)$ YK+1-Y;=0 /K+1= Y R STAY TYE SAME