· Namericaes all sales: 62300, 485, 675, 543, 454, 7877, 5434, 345, 2342, 654, 547, 545) Hormanic data using minimax scaling Xu= x= xm10 eg: xn= 2300-345 7877 - 345 11 Do this for activais. Ans: [0.0596, carage and care a property 02] Data given. [5, 10, 13..... 85] Draw bistog mans of blo size as and 8: Explain textent of bin size on hist. DIO 31276 2651212 00 2610 5126 2130 81 15-9-6- 26, 20 E KE P5 25132 1 8 118 10-14 15-19 0 2 = p = p 212 = 28 X & 0:P - 01 20-24 24.46,26,26,26,18,18,81,10,00) .000 (Draw bist, for both) Smanler bines finer details visible might peditti to jufer biet it foo Larger of Smooth represent to Entreme vals might get mergedie in a la le le pl.Pl. 63 bara= [4,8,9,15;21,21,24,25,26,28,29,24] No. 06 610323 in Partition into early freq. blos 3. data size = 12/3 = 40 > bin size. bin 1 - [4,8,9,15] - 100 Dines bin 2 = ([[a]] 2 1 | 24 | asi] ... bin 3 = [26, 28, 29, 34] ·

smoothing by bin means 6101 mean = 4+8+9+115 = B102 mega = 21+21+24+25 = bin3 mean = 26+ 1 8+ 29+34 = 39.25 = 29 3 moothed data [9,9,9,4,23,23,23,29,29,29,29] rill amounting Abin boundaries i with closest

Pinsi 4,8,9,15 -> 4,4, 15, 15 Bina: 21,21,24,25 -> 21,21,25,25. BIO 3 : 26,28,29,34 -> RE, 26, 26, 28, 29 34 constignues soundary for a is 15~9=B X [4,4,4,15,21,25,25,26,26,26,26,34 OFT z-score normalisato / standarization. Z = X - W mean Eg: 10,20,30,40,50000 carrier 4,30,00,14.14 2100 10-30 1-21-41 1-2202-20-30 =- 0.7 . 14.14 230 = 0 1240 = 40-30 = 0:71 2 50 = Zascore normalised. 8 12 [-1.41, -0.71, -0, 0071, 1.41]

