Introduction to UMs (Solution) telivity 01 81) Data pointe -> (2,4), (2,4), (3,9) (a) for (1,3) and (3,10) 3 = 0, + 0/ -(i) -10 = 30, +0, -(ii) +7=+20. 10,= 3.5 3= 3.5+00 [Po = -0.5] (ho (x)=3.5x-0.5 (3) ho(x). 3.5x-0.5 Put x=1 Put x=2 ho(1):3 ho(2):6.5 Put x= 3 ho(3) = 10 (e) (ly, ý) - /n \ (y, -ý;) ll = 1/3 3 [(4-3)+(7-6.5)+ 19-10)] = 1/3 (1+1.52+(-1)2) [L = 0.45] D No, overfitting the model reculti in to poor generalizability on text data for any other g dataset.