Lab-5

KNN CK-nearest neighbours). Consider the following datased for \$23 and text data (x, 35, 100) at \$ [peron, Age, Saluy] and product the larget. Mitane Pant Jalgo Person Palaly Age 5218 50 23. 46.6 .85 24 31.9. 2 70 N D 41 60 40.4 E 43 40 81.1 P. 38 40 60.1 Step 7: Distance (d) = /(2-x1)2+(42-41)2 (70,7, = (35, 100) $= \int (38-18)^2 + (100-50)^2 = 52.8$ = [35-23] + (100-55) = 46.6. Step 2: Identify 3 nearest neighborry 1) E (31.1,4) 2) C (31,9,N) 3) D (40 (14) Step 3 magority voting Since 2 due of 3 belong on to day 'y' the predicted day for x (30, 10) 25 4