Assignment 7 $T = \{(1,1,2),((2,1),5),((0,1),1),((1,2),5)\}.$ (1) Using KNN regression for k=3, we get, gredictor f(01, x44) = 8/3 f (100, y(1) = 8/3 f (0101) y>, oc) = 8/2 f(0/01/4)1)=8/2 f(1,600,160)=4 emor = (2-93) + (4-5) + (8/3-1)

fredrichor 3 12/1 3 2 14, f (0,1)=2/3, f(1,2)=5.

Ernor (183-2) 7 (1183-5) 7 (26-1) 2 (5-5) 2) × /4 = 29,

Crossing out (-2,4), up get 2x+1 Crossing at (2,4) runget 1:08 X +2.78 Crossing OH (1, 4), we get 1.09 X+3.16 (no.5.) mg out (+1,1) wa get 0:91X+2.86 Crossing out (0,0) we get 0.90x+3.25 Crawing out (8,9) weget 9 20 ming (2x+1) $(5-4)^{2} + (3-1)^{2} + (1-1)^{2} + (1-0)^{2} + (7-9)^{2}$ Using 1.08 X+2.78 $(0.62-4)^{2}+(3.86-1)^{2}+(1.7-1)^{2}+(278-0)^{2}+$ 6-02-9)2 wing 2 09 x +3.16 $(0.98-4)^{2}+(5.34-4)^{2}+(207-1)^{2}+(3.16-0)^{2}+(6.43-9)^{2}=28.6514$

$$0.91 \times + 2.86$$

$$(1.04-4)^{2} + (4.68-4)^{2} + (5.37-1)^{2} + (2.86-0)^{2} + (5.59-9)^{2} = 36.70$$

$$0.90 \times + 3.25$$

$$(1.45-4)^{2} + (5.05-4)^{2} + (4.15-1)^{2} + (2.35-1)^{2} + (5.05-4)^{2} + (4.15-1)^{2} + (2.35-1)^{2} + (2.4$$