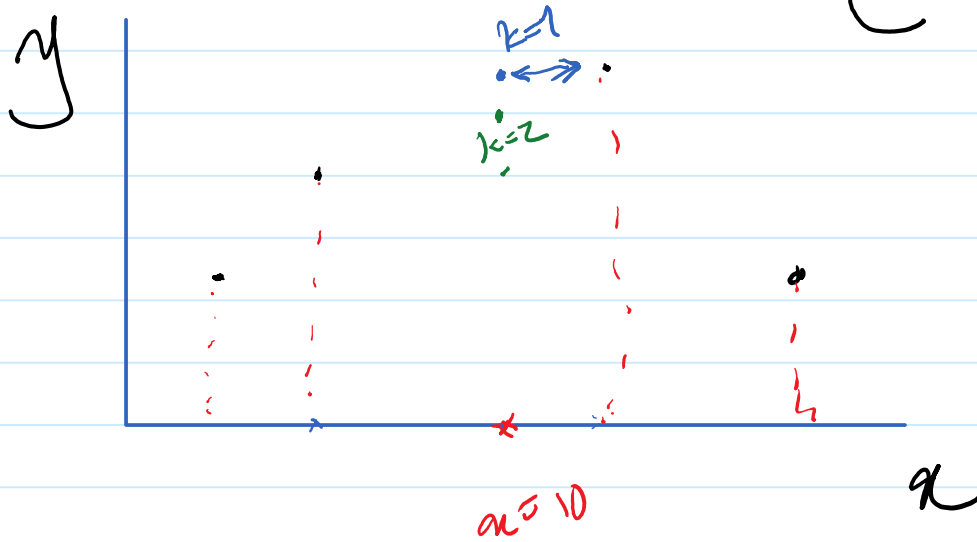


K Nearest Neighbors

Sunday, June 14, 2020

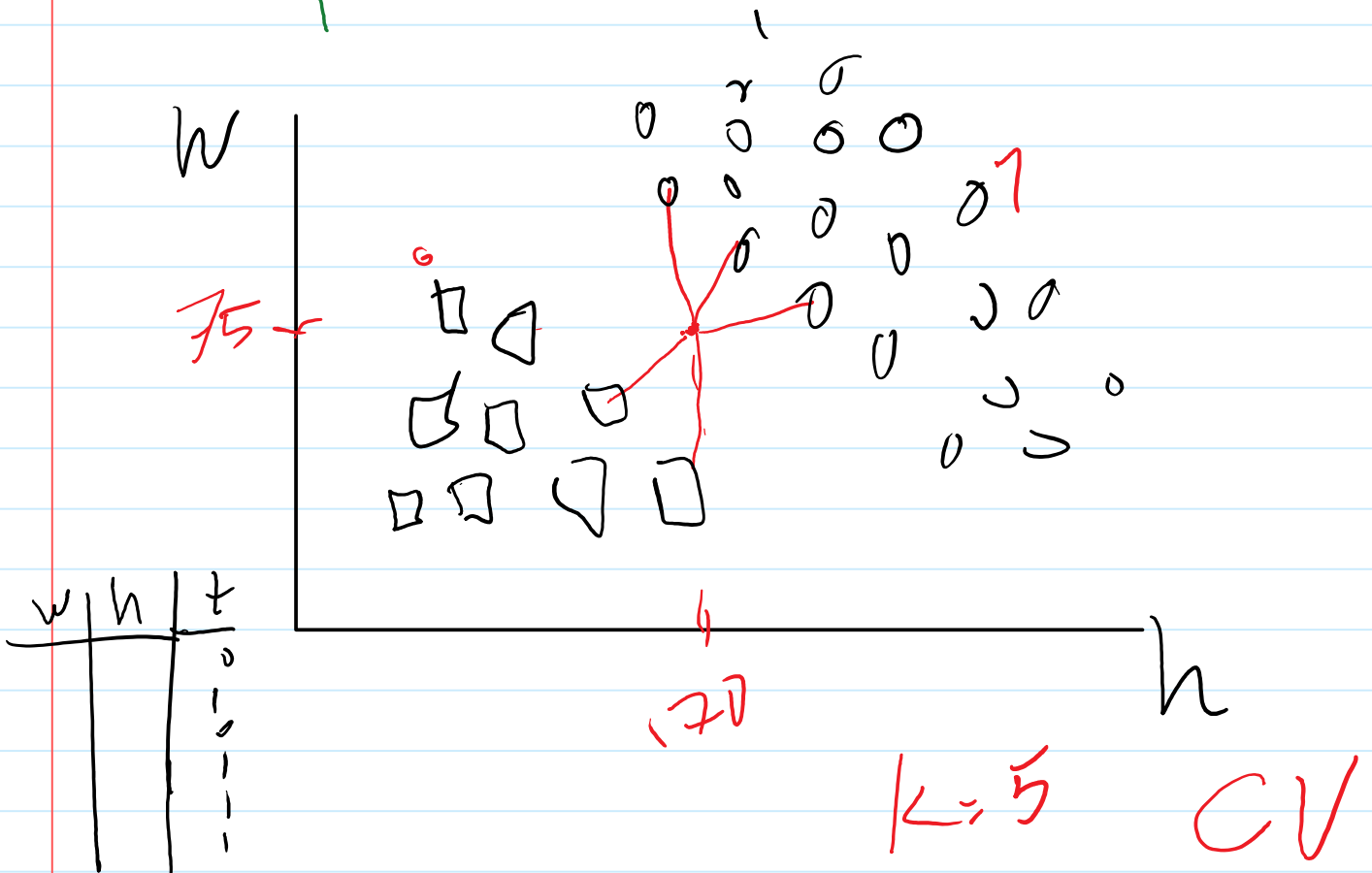
6:58 PM

CV



$k=1$
 $k=2$
 $k=3$
 $k=4$

$n=4$



KNN

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7:28 PM

$$d = \sqrt{(x_1 - x_2)^2 + (y_1 - y_2)^2 + 1 \dots}$$

$$d = \sqrt[p]{\sum (x_i - x_j)^p}$$

$$p=1 \quad l_1$$
$$p=2 \quad l_2$$

$$p=3 \dots$$