KNN

- A K-Nearest Nerghboure work both as Classifier and Regressor
- a let there be 2 features: fo 2 Pi

18 ×××

x -> class-1 0 -> class - 2

· -> To be predicted / classifies.

for K=T, those distances are considered (5 nearest

Then,

- classified to the class with max number of data only point.

Take average of individual abouts & ordinate.

To lake weighed average.

 $|\hat{c}| = \sum_{j=1}^{K} c_j \cdot \frac{1}{drst_j}$

S diet;

- Feature Scaling is very important on the difference in scales many sometimes lead to ignormy I giving less important reature.

Pros. is Cannot predict outliers ci) Simple. Eis Dous not work were inease of outliers. is Less compulationally