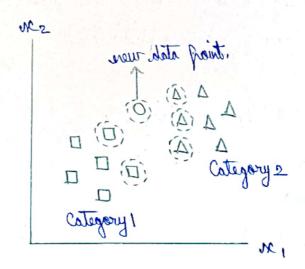
## K- Newset Neighbor (KNN) Algorithm :

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KNN predicts the new data point belongs to Category 2.

KNN works by many foreximity of majority woting to make fredictions

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Estatistical Mathada for substitutes

- 1 Grass Validation
- @ Elbour Mathrod
- 3 odd values for k

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KNN uses distance instruction of winter sometimes are supodefier. . strat noisearger of noitearficials ref been ever awadefier.

(1) Euclidean distance F

distance 
$$(\infty, \times_i) = \sqrt{\sum_{j=1}^d (\infty_j - \times_i)^2}$$

(ii) martador distancer

Ciri) Minkowski distance,

When h = 2 then it is the some as Euclidean distance when h = 1 then we obtain the formula of Montrottan distance

Working to KNN Algorithm:

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Step 2's Calculating distance +

To measure the sunilarity between target of training data points, Euclidean distance is used.

Step 3 v Ending Newset Neighbors -

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