KNN, K Nearest Neighbors

Algorithm

Paramters

Evaluation

Fitting: actually not 'training', just sorting and selecting

1. Calculate distances

2. Sort indices by distances

3. Get "K" nearest neighbors' labels

Prediction ——— 4. Select label that occurs most in these neighbor as prediction

1. Distance,
- **Euclidean distance**
- **Manhattan distance**

2. K, number of desired neighbors

Accuracy: mean of equalities