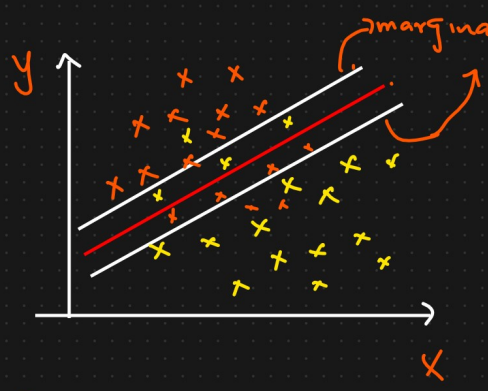
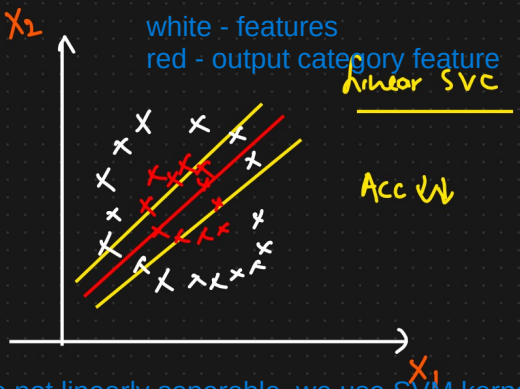
SVM KERNELS



Binary classification

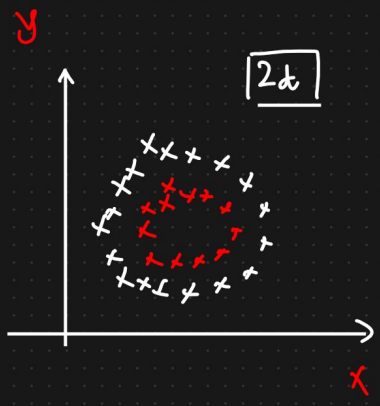


linear SVC

when datapoints are not linearly seperable, we use SVM kernels

⇓

SVM Kernels

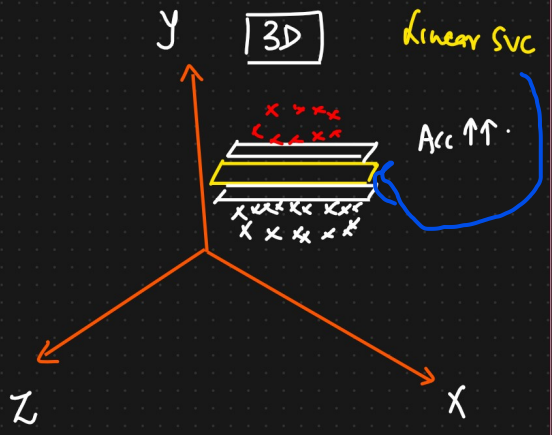


⇒ Transformations ⇒

⇓

we will apply some

Mathematical formula



ex:

Dataset : 1d

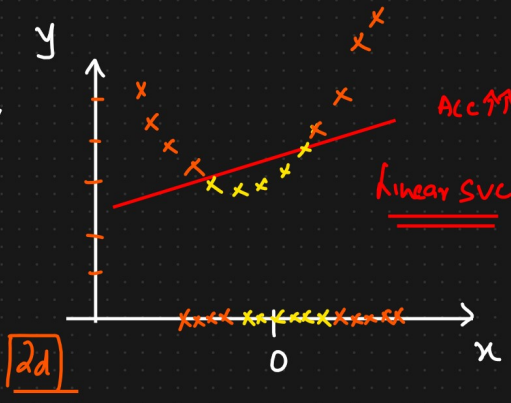
SVM Kernel

⇒ Transformation

$y = x^2$

SVC = linear SVC

1d



2d

1. Polynomical Kernel
2. RBF Kernel
3. Sigmoid Kernel