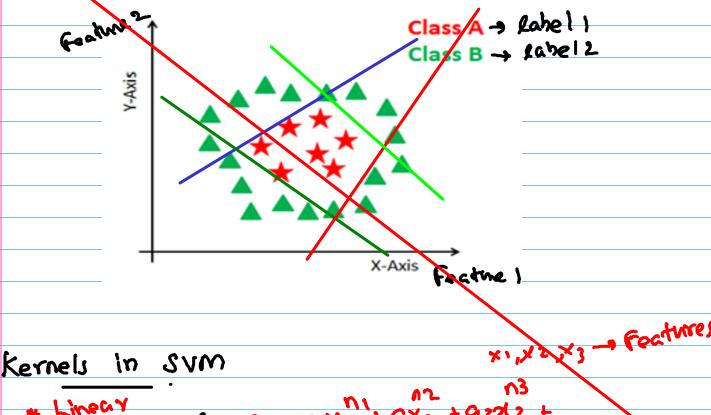


Rinear Data



- (i) Polynomial 2 = ax, +ax2 +axx3 +...

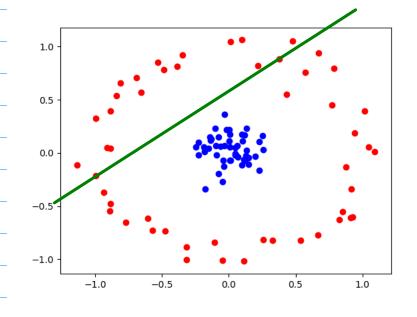
 (ii) RBF (Radial Bias Function) -> e-(x2xy2)
- (iv) Hyperbolic Tangent (tanh) I Neural Metantus

from sklearn.datasets.samples_generator import make_circles

data,target=make_circles(100)

1 4411 3.5	0	•	darget -> 0 inner circle
da	14 -> X	4	target
(pair	nds) <u>~</u>	Y1	•
		Y 2	•
	*?		
	:		:
	X180	4100	O

Linear Kernel



```
clsfr=SVC(kernel='poly',degree=2)
higher Dimension (2) = ax +a24 + a3x2+a442 + c
              ex = 22 +348 (a1, 62 = 0, 93 = 2, 94 = 3)
  clsfr=SVC(kernel='rbf')
   2 = e-(x2+y2)
```

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