## 机器学习复习3

· Lyistic & SVM

$$P(y=1|x;0) = ho(x)$$

$$P(y=0|x;0) = 1 - ho(x)$$

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ofunction margin & geometric margin (四数间隔与几何间隔) 给定训练样本,其中X为features & labels

the distance: 
$$y^{(i)} = y^{(i)} \left( \frac{w}{||w||} \right)^T \chi^{(i)} + \frac{b}{||w||} \right)$$

·最忧间隔 classfier.

$$\int MOX_{y,w,b} \frac{y}{||w||} S.+. y'''(w^{T}X''')+b) \ge \hat{y}$$

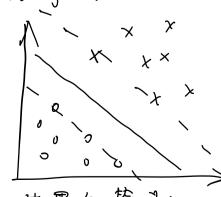
o拉格朝日对偶(Lagrange duality)

eg: minuf(n)

化为 
$$I(w, a, B) = f(w) + \sum_{i=1}^{k} digi(w) + \sum_{i=1}^{k} Bihi(w)$$

## 0最忧间隔分类器

min y, wib = [[W]]



$$y(i) = \frac{1}{2} [w]$$
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总结:朱根据10和b做一次运算,判断正负

再用内积的方式 ゼル和 6!