## 机器学习复习9

2022年7月8日 星期五

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## Online Learning

它型: Block and Novi Koff
if sample could seperate, then the geomitry distance will be at least y, 
$$|I \times I| \le D$$
, mistaks  $\le (\frac{1}{5})^2$   $(X^{(i)})^T O^{(k)} Y^{(i)} \le 0$ 

$$(X^{(r)}) O^{(r)} Y^{(r)} \leq 0$$

$$(Q^{(k+1)})^{T} N = (Q^{(k)})^{T} U + Y^{(i)} (X^{(i)})^{T} U$$

$$= (Q^{(k)})^{T} U + Y$$

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then 
$$(0^{(k+1)})^{T} ky$$

$$|10^{(k+1)}|^{2} = |10^{(k)}|^{2} + |1 \times (i)|^{2}$$

$$\leq |10^{(k)}|^{2} + D^{2}$$

$$|10^{(k+1)}|^{2} \leq kD^{2}$$

$$TkD \gg ky$$