Logistic Model ①定义根海比二<u>发生根据</u> = P 不发生根据 = 1-P @ tastrassatuata: byte(p)=log(fp) & [0,1] Best = logistic(Z) = sigmod(Z)= 1/03 给定测试X(x,x,…xn) 多极O(Q,Q,…On) $Z = 0.x_0 + 0.x_1 + \dots + 0.x_n = 0$ 1 13/8 9(Z) = HE'Z 节in(A10/0(区)=9(图区)=1+0-00区 年 リニ分类的现象 { 正部 (Y=1): P(Y=1 | X; (H)) = ho(X) | (Y=0) | P(Y=0|X; (H)) = | - ho(X) | 图如为=为一: $P(Y|X;\theta) = h_{\theta}(X)[L-h_{\theta}(X)]^{1-y}$ (1) 目标函数: $L(\theta) = P(Y|X;\theta) = \overline{A}P(Y^{(e)}|X^{(e)};\theta) = \overline{A}h_{\theta}(Z^{(e)})^{\frac{1}{2}}$ [I-ho(Z(x))] $L_{(0)} = \log (T_i P(y^{(a)}|x^{(b)}; \theta))$ = log [] ho(Z(2)) y(1). [1-ho(Z(2))] 1-y(2)] = = [y(t) lag ho(Z(t)) + (1-y(t)) lag [-ho(Z(t))]

好: "ho(Z)=—— 其中Z=OX=Ox+Oxx+Oxx 10 1/2 1(t) - (1-y(t)) 1-ho(Z(t)) 2/0 S(2) To tho(z) = do [1+e=] = e= (He=z) (He=z) (He=z) = /10(Z) (1-10(Z)) 舟かべい L(0) = y(1) - (1-y(2))(-ho(Z(1))) ho(Z(2))) = \$ [Y(2) (1- ho(Z(2)) - (1-y(2)) ho(Z(2))]. [[] (" Z=WZ=0.x0+0,X,+...+0mxn) (: 479) (j=0/12.....m)) 1. Jet = 5 1, 4(0) - ho(Z(0)) m X ① 和用楼在下庭街本部园村到的数最大道 三分给定期债券长和初始日,这样较效 (緊痛) 0:=0+dV6L(0) 而 16L(的= <u>XL(0)</u> = (y(e) - ho(Z(e))) X; 8 repeat until: Convoyage { for it to ms (9) = 0 + 4 [(y(2) ho(Z(2))](3)]

由 扫描全能王 扫描创建

表 Dot 其T Native Bayes. $P(A|B) = \frac{P(A \cap B)}{P(B)} \Rightarrow P(A \cap B) = P(A|B)P(B)$ $P(B|A) = \frac{P(A \cap B)}{P(A)} \Rightarrow P(A \cap B) = P(B|A)P(A)$: PCAIB) PCB) = PCBIA) PCA) >> PCAIB) = PCB(A) PCA) 1236 = P(AilB)= 发挥生的发挥 ①字棋等4 PCB) = P(B/A)P(A) +P(B/A2)P(A2) + ... + () (B/An) P(An) = \$ P(B/Az) P(Az) ③根据事件之间的独划生 PCB1Ai)=PCB=6', 62...6" | Ai)= 1/4 PCB (3) | Ai) 630 P(A)(B) = P(A)(B)(B)(B)(A) 于PCBIA+)POA)和元PCBO3-60(AE) PCA; 正的一个国外对所有信念。和多少的多时都是一致一 (F) Y=fix=P(Az|B) trang max S P(Az) (P(BG)=bg) (Az)