	Title.	Date.	Page.
<u> </u>	1.1) Classification	emor	
<u>a</u>		50 = 0.25 200	T _{2,L} → O
<u> </u>	- T ₂ , R =	7 <u>50</u> = 0.25	$T_{2,R} \Rightarrow 100 = 0.67$
	Entrary	- (150 h 150 + 50 h 250	2) = 0.562
5	12,L	- (50 h 50 + 50 h 50 h 50 h 50 h 50 h 50 h	50) = 0.562.
	T _{2,L} \$ -	- (200 / 100 + 100 / 100	(3) = 0 $(3) = 0.637$
		(300 in 300 - 300 ·)	
	Gini Terra	[150(1-150) + 50(1 700(1-150) + 150(1	$\left[-\frac{50}{200}\right] = 6.375$
<u> </u>		[\frac{50}{20}(1-\frac{50}{20}) + \frac{150}{20}(
3	T2,L \$ T2,A =	行。(1-元) + (つ) (1-行 学。(1-学。) + 100 (1-行 学。(1-学。) + 100 (1-	왕) = 0 왕) = 0.44
4	1-2) clossituals	n ems	
3		= 200 (1(Tu)) + 20 foo (1(Tu)) + 20	2 (L(T2R)) = 0.25
4	L(t)	= 100 (L(T2x)) + 30	=(L(T2,R)) = 0.25
31-	equa	\(\)	
<u>a</u>	Gini T-D	200 (0375) + 200 (0.375) = 0.375 Tz is better
1	T, =>		/
	12 7	100 (.0) + 300. (0-44)0- >>

Title. ouditha Gity T, => 200 (0562) + 200 (0562) = 0-562 To = 100 (6) + 300 (0.137) = 0.478 Tz is bester & f=G(eh-eh)+eh The f = Gt of (et - pt) + fr (eb) $= \underbrace{C_t} \underbrace{\left(e^{\beta t} + e^{-\beta t}\right)}_{= C_t} - e^{-\beta t}$ $= \underbrace{C_t} \underbrace{\left(e^{\beta t} + e^{-\beta t}\right)}_{= C_t} - e^{-\beta t}$ $= \underbrace{C_t} \underbrace{\left(e^{\beta t} + e^{-\beta t}\right)}_{= C_t} - e^{-\beta t}$ $= \underbrace{C_t} \underbrace{\left(e^{\beta t} + e^{-\beta t}\right)}_{= C_t} - e^{-\beta t}$ $= \underbrace{C_t} \underbrace{\left(e^{\beta t} + e^{-\beta t}\right)}_{= C_t} - e^{-\beta t}$ $= \underbrace{C_t} \underbrace{\left(e^{\beta t} + e^{-\beta t}\right)}_{= C_t} - e^{-\beta t}$ $= \underbrace{C_t} \underbrace{\left(e^{\beta t} + e^{-\beta t}\right)}_{= C_t} - e^{-\beta t}$ $= \underbrace{C_t} \underbrace{\left(e^{\beta t} + e^{-\beta t}\right)}_{= C_t} - e^{-\beta t}$ $= \underbrace{C_t} \underbrace{\left(e^{\beta t} + e^{-\beta t}\right)}_{= C_t} - e^{-\beta t}$ $= \underbrace{C_t} \underbrace{\left(e^{\beta t} + e^{-\beta t}\right)}_{= C_t} - e^{-\beta t}$ $= \underbrace{C_t} \underbrace{\left(e^{\beta t} + e^{-\beta t}\right)}_{= C_t} - e^{-\beta t}$ $= \underbrace{C_t} \underbrace{\left(e^{\beta t} + e^{-\beta t}\right)}_{= C_t} - e^{-\beta t}$ $= \underbrace{C_t} \underbrace{\left(e^{\beta t} + e^{-\beta t}\right)}_{= C_t} - e^{-\beta t}$ $= \underbrace{C_t} \underbrace{\left(e^{\beta t} + e^{-\beta t}\right)}_{= C_t} - e^{-\beta t}$ $= \underbrace{C_t} \underbrace{\left(e^{\beta t} + e^{-\beta t}\right)}_{= C_t} - e^{-\beta t}$ $= \underbrace{C_t} \underbrace{\left(e^{\beta t} + e^{-\beta t}\right)}_{= C_t} - e^{-\beta t}$ $= \underbrace{C_t} \underbrace{\left(e^{\beta t} + e^{-\beta t}\right)}_{= C_t} - e^{-\beta t}$ $= \underbrace{C_t} \underbrace{\left(e^{\beta t} + e^{-\beta t}\right)}_{= C_t} - e^{-\beta t}$ $= \underbrace{C_t} \underbrace{\left(e^{\beta t} + e^{-\beta t}\right)}_{= C_t} - e^{-\beta t}$ $= \underbrace{C_t} \underbrace{\left(e^{\beta t} + e^{-\beta t}\right)}_{= C_t} - e^{-\beta t}$ $= \underbrace{C_t} \underbrace{\left(e^{\beta t} + e^{-\beta t}\right)}_{= C_t} - e^{-\beta t}$ $= \underbrace{C_t} \underbrace{\left(e^{\beta t} + e^{-\beta t}\right)}_{= C_t} - e^{-\beta t}$ $= \underbrace{C_t} \underbrace{\left(e^{\beta t} + e^{-\beta t}\right)}_{= C_t} - e^{-\beta t}$ $= \underbrace{C_t} \underbrace{\left(e^{\beta t} + e^{-\beta t}\right)}_{= C_t} - e^{-\beta t}$ $= \underbrace{C_t} \underbrace{\left(e^{\beta t} + e^{-\beta t}\right)}_{= C_t} - e^{-\beta t}$ $= \underbrace{C_t} \underbrace{\left(e^{\beta t} + e^{-\beta t}\right)}_{= C_t} - e^{-\beta t}$ $= \underbrace{C_t} \underbrace{\left(e^{\beta t} + e^{-\beta t}\right)}_{= C_t} - e^{-\beta t}$ $= \underbrace{C_t} \underbrace{\left(e^{\beta t} + e^{-\beta t}\right)}_{= C_t} - e^{-\beta t}$ $= \underbrace{C_t} \underbrace{\left(e^{\beta t} + e^{-\beta t}\right)}_{= C_t} - e^{-\beta t}$ $= \underbrace{C_t} \underbrace{\left(e^{\beta t} + e^{-\beta t}\right)}_{= C_t} - e^{-\beta t}$ $= \underbrace{C_t} \underbrace{\left(e^{\beta t} + e^{-\beta t}\right)}_{= C_t} - e^{-\beta t}$ $= \underbrace{C_t} \underbrace{\left(e^{\beta t} + e^{-\beta t}\right)}_{= C_t} - e^{-\beta t}$ $= \underbrace{C_t} \underbrace{\left(e^{\beta t} + e^{-\beta t}\right)}_{= C_t} - e^{-\beta t}$ $= \underbrace{C_t} \underbrace{\left(e^{\beta t} + e^{-\beta t}\right)}_{= C_t} - e^{-\beta t}$ $6te^{2kt} + 6t - 1 = 0$ Be = 1/2 / (1-G)

	Title	e. Date.	Page.
3	3-1)	No because there is no 10	hypoplare (dt) that perfectly
1		separates the points	\$(x),
3	3.2)	$(x, y_1) = (-1, -1) \Rightarrow (-1, 1, -1)$	$)$ $)$ $)$ $)$ $)$ $)$ (α)
<u>–</u>		$(x_1, y_1) = (1, -1) \Rightarrow (1, 1, -1) \Rightarrow (0, 0, 1)$	• + -1
<u>á</u>		yes because there is a live profestly separates the prints	e that of 1
1	3.3)	$k(x,x') = \phi(x)^{T}\phi(x')$	
1			
<u> </u>		k(x2, x,) lc(
1			
3_		020	
3		[0 0 0]	
<u> </u>	3-4)	$\max_{\text{Ed.3}} \sum_{n} \alpha_n - \frac{1}{2} \sum_{n} y_n y_n x_n$	$ndn k(x_n, x_n)$ st. $\sum_{n} \alpha_n y_n = 0$, $0 \leq dn$, $\forall n$
		= max [x, +az+03] - /2[x	$\alpha_1^2 + 2\alpha_2^2 $ et $-\alpha_1 - \alpha_2 + \alpha_3 = 0$,
<u>—</u>			Osan, Un
J.			

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=
$$max 2x_1 - {\lambda_1}^2 + 2{\lambda_2} - {\lambda_2}^2$$

$$\sqrt{\frac{1}{2}} = 2 - 2d_1 = 0$$
 $\sqrt{\frac{2}{3}} = 2$

$$\overline{w}_{pe} = \underbrace{Z}_{n} x_{p} x_{p} x_{p} \left(x_{n}\right)$$

$$= (1)(-1)[-1] + (1)(-1)[-1] + (2)(1)[-0]$$

$$= [1-1]^{T} + [-1]^{T} = [0-2]^{T}$$

