4	
	ALSM ZEXAM NOTES: MULTINOMIAL DISTRIBUTION
	Multinomial astribution
-	Cremeralyston /Extension to Baximol Ostokiczus
	t the John delta
	$P(9_1, 9_2, 0_3, n) = 0! 0 0 0$
-	on one the respective probabilities of the colligiones (0,+ + 105 = 1
-	of the respective productions is the
i	(An J=2 P(4,92) Explay = n1 0,40,4 n=9,+42 0,+02=1
	91.72
V	O (4: (Byn) = m! e9(1-0)" Bippinial Divilution
	Even if multinomial is not a member of the exponential family, we can contail Eg
-1	tion if multinomial is not a manufactor of the company of the comp
0	the let over N groups via a set of parameters is
1	commal Logista Represent on to adapted and there is no polarid water amongst
1	commal Logiez Regresion The catagonic and there is no palval order amongst The catagonic and there is no palval order amongst The catagonic and there is no palval order amongst The catagonic and there is no palval order amongst The catagonic and there is no palval order amongst The catagonic and there is no palval order amongst The catagonic and there is no palval order amongst The catagonic and there is no palval order amongst The catagonic and there is no palval order amongst The catagonic and there is no palval order amongst The catagonic and there is no palval order amongst The catagonic and there is no palval order amongst The catagonic and the catagon
t	te reporte lataries at the outer cutegorie at white by
	the response categories. One category is critically choose one defined by: 2-9-0. Then the logis for the other categories are defined by: Logit (0) 1 = $\begin{bmatrix} 6 \\ 1 \end{bmatrix} = x^{T} \hat{e}$; $\forall j = 2,, 7$
	Logit (b) = (b) = x)
	[a]
h	oving the combaint $\Xi_{j_2}^{(2)}$, $\theta_{j_1} = 1$
1	I A AUTOLAN BI UN CU POLITICA
T	Bi = B, exp (x B;) Y j=3, 7
	$G_1 = \frac{1}{1+Z_1^{T_2}} \exp(x^T \beta_1)$
	Ci = autout to probability
	G = 1+ Z;=2 exp (x f) = exp (x f)
	$\frac{1+5\sqrt{1-2} \exp(x^2\beta_1)}{1+6\exp(x^2\beta_1)+\dots+6\exp(x^2\beta_1)-1}$