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2.1	Given:
*	2 xn3 N-1 are N independent one hot encoded training samples n=0 where xn & RM
	Mn is the class of the nth sample i.e. x = 1 N; is the number of training samples with class i
	=7 Therefore we can write Ni as
	$N_i = \frac{X^{-1}}{1} \times \sum_{n=0}^{N-1} X_{n,i}$
-	As, for training samples with class i
	$x_h = \{0, 0, \dots, 1, 0, \dots, 0\}$ $o^{h} \text{ index } \text{ ith index}$
	[M-17th index
	and for training samples with class other than i
	$x_n = (, 0,)$ $i^{\text{th}} index$