

$$\mathcal{L} = \frac{1}{N} \stackrel{\mathcal{E}}{\sim} D(s(\omega_{x,t}b), Y_i)$$

$$D(\mathring{\gamma}_{\mathcal{I}}Y) = -Y \log \widehat{Y}$$

Class	One hot encoding
D	[0,0,0,0,0]
1	(0,1,0,0,0]
2	(0,0,1,0,0)
3	[0,0,0,1,0]
4	[0,0,0,0]
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