



-> Vous 1500 cosò que la lande ded class phichemas
Jose will assign the fordried class stricteuer gines the highest forobotisty.
ging the highest spreading.
Step-1 # model = # class
Cteb-2 - And al pack modil
Step-2 - prob ef each model Step-3 - Attach Class with highest prob value.
S. To House Corp
disadvantage
- Chasilication handel is framed for
> A binary classification model is trained for each class. > Computationally expensive
each Class. — compagations of expensive
A
Dimultino mial method Softmax Regression.
-> we don't decompare the problem into binary classification.
1010 dufy the loss Cost Function.
Modify the loss (cost function.  Single model.
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Signoid = 1-2 Softmax o (Z): = e X p Z;
= $+e$ $=$ $=$ $=$ $=$ $=$ $=$ $=$ $=$ $=$ $=$
62 lune 3 : 40 of
Where j is no of Class.
$(z) = e^{z_1}$ $(z) = e^{z_2}$ $(z) = e^{z_2}$
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e 10 + e2 + e
Cod Kurl A A
Cost fun Coss for = - In \( \int \text{y} \) log \( \text{y} \); \( \text{Log reg} \) \( \text{Log reg} \) \( \text{log} \) \( \text{Ti} \) \( \text{log} \) \( \text{Vi} \) \( \text{log} \) \( \text{Log reg} \) \( \text{log} \) \( \text{Ti} \) \( \text{log} \) \( \text{Vi} \) \( \text{log} \) \( \text{Log} \) \( \text{Log} \) \( \text{Ti} \) \( \text{log} \) \( \text{Vi} \) \( \text{log} \) \( l
(Log reg)
Modification in (fn k (ii) (ii)
Modification in CF n & Z (i) log Jk
> > Z Z JK 10 JK
(n - no of of class)
K - no of class)

