

# Hyperparameters

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1) penalty

2) tol  $\rightarrow$  stopping criteria for gradient descent algorithm

3)  $C = 1/\lambda$

4) class\_weight  $\rightarrow$  for imbalanced datasets

5) solver

6) random\_state

7) max\_iter  $\rightarrow$  # of epochs taken by the algorithm to converge

8) multi-class

9) verbose

10) warm\_start

11) n\_jobs

12) l1\_ratio