Logistic Regression (D)

1. initialize weights randomly
2. repeat until convergence :
   - $z = X * beta$
   - $p = 1/(1 + e^{-z})$
   - calculate error $(y - p)$
   - update bata using gradient descent
3. for new sample :
   - if $p >= 0.5$ → class 1
   - else ~~class~~ → class 0
4. return predicted class

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