

7
3
5.
9
1

Stochastic Goadient Descent

Initial
W = 0.5
b = 0.1

for first tuple

compute the gradient  $\frac{\partial J}{\partial \omega} = (y_i - \hat{y}_i) \times xt = (3 - 0.6)x$  = 2.4 $\frac{\partial J}{\partial b} = (y_i - \hat{y}_i) = (3 - 0.6)$ = 2.4

giren data

A	B	Ytoue
3	)	4
5	0	6
2	·	10
3	6	8
2	4	2
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Linear model =  $Y = 00 + 0_1A + 0_2B$  00 = 0,  $0_1 = 1$  02 = 20 = 0