MACHINE INTELLIGENCE UNIT-5

Optimizers

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- · Like a ball gaining momentum down a slope
- Adds fraction (8) of previous
 update vector to present update
 vector



$$w_{t+1} = w_t - update_t$$



· speede up convergence

↑ h











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· Small dataset (IMDB sentiment)



Source:

https://heartbeat.comet.ml/an-empirical-comparison-of-optimizers-for-machine-learning-models-b86f29957050

code for multi layered NN in heras:

https://drive.google.com/file/d/1wEQ1R025PLL85QgMnIR76BJx8De9FKCD/view

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