Template

Archer

February 24, 2022

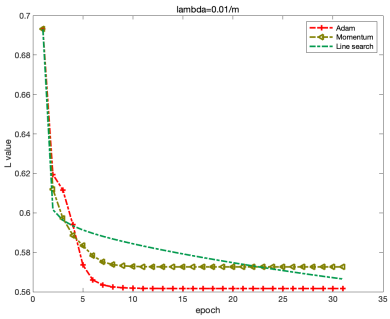

Figure 1: function value

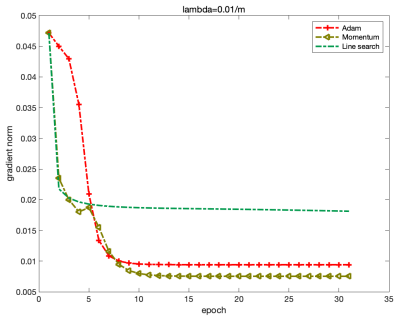

Figure 2: gradient norm

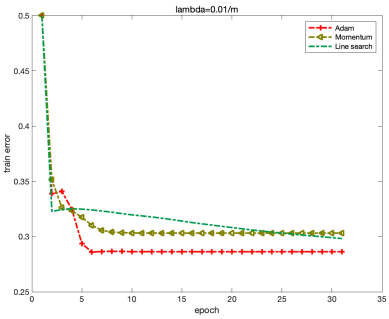

Figure 3: classification error

Results on Covtype when $\lambda = 0.01$

References

[1] Raghu Bollapragada, Richard H Byrd, and Jorge Nocedal. Exact and inexact subsampled newton methods for optimization. *IMA Journal of Numerical Analysis*, 39(2):545–578, 2019.

[2] Ian Goodfellow, Yoshua Bengio, and Aaron Courville. *Deep learning*. MIT press, 2016.

[3] Courtney Paquette and Katya Scheinberg. A stochastic line search method with convergence rate analysis. *arXiv preprint arXiv:1807.07994*, 2018.