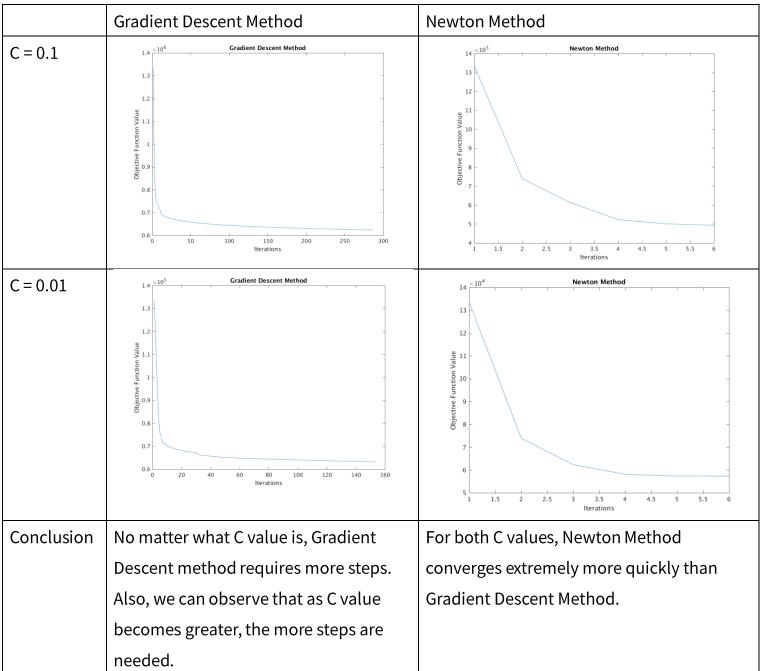
HW7 Large-scale Logistic Regression

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1. Learning Curve Comparison:

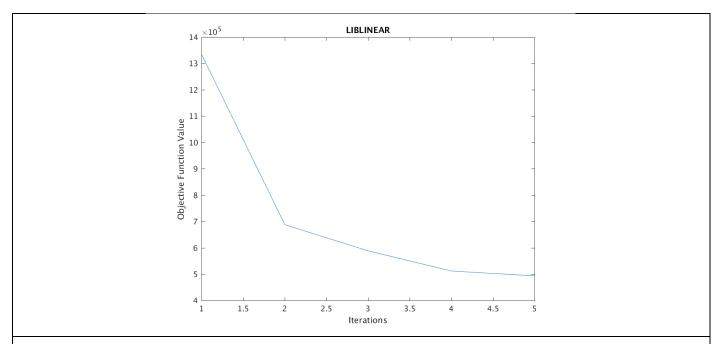
Setting: $\eta = 0.01$, $\epsilon = 0.01$, $\xi = 0.1$



2. Compared with LIBLINEAR:

Command: ./liblinear/train -s 0 -c 0.1 -e 0.01 kddb kddb.model

LIBLINEAR Learning Curve



By the learning curve, we can easily conclude that LIBLINEAR use Newton Method. However, we cannot easily tell the difference between trust region and line search.