

Optimization Algorithms

Mini-batch gradient descent

Batch vs. mini-batch gradient descent

Vectorization allows you to efficiently compute on m examples.

Mini-batch gradient descent stop of gradut deal veg XIII YILL. (as ifmel soo) Formal peop on X sts. Heroisel information

Tens = Bas (500)

Mentaisel information

(1200 examples) ALCO = ELO (SLO) Compute cost $J^{\ell i \bar{j}} = \frac{1}{1000} \sum_{i=1}^{R} J(y^{(i)}, y^{(i)}) + \frac{\lambda}{2 \cdot 1000} \sum_{\alpha} ||w^{(i)}||_F^2$. Backprop to comput grounts cort Jess (vsy (x813, Y813)) Wie Wes - 2 de las , Pers' = Pers - alles "I epoch" poss through training set.

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