1. Mini-batch Gradient Descent

Tags

Batch vs mini-batch gradient descent

Mini-batch gradient descent

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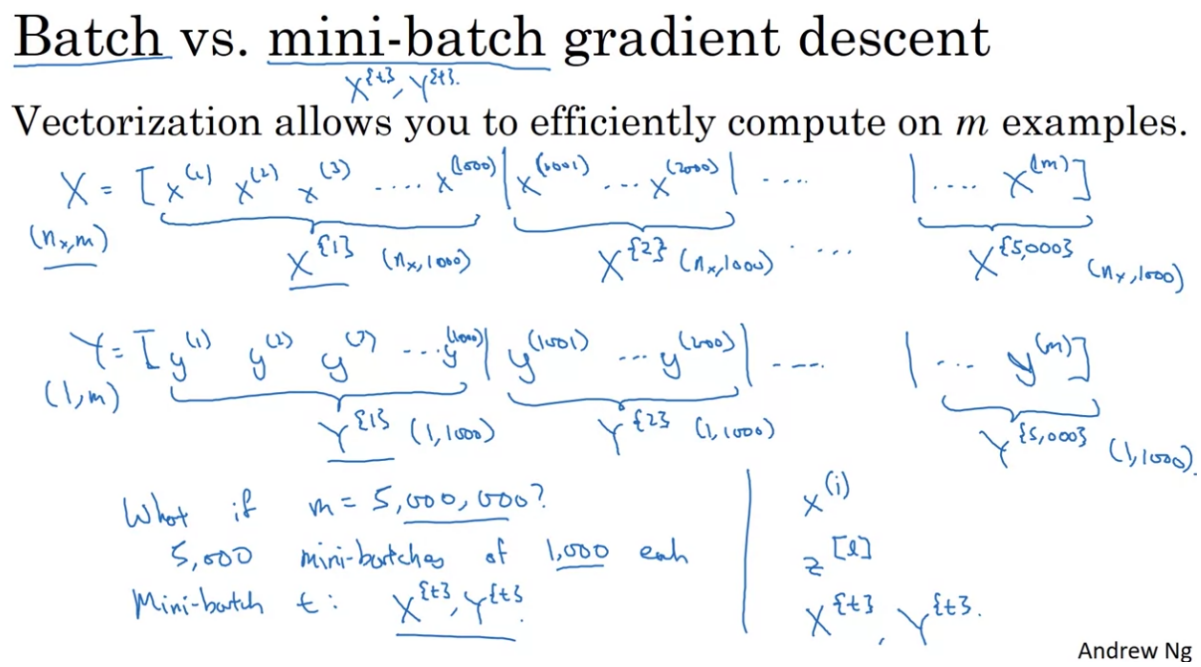
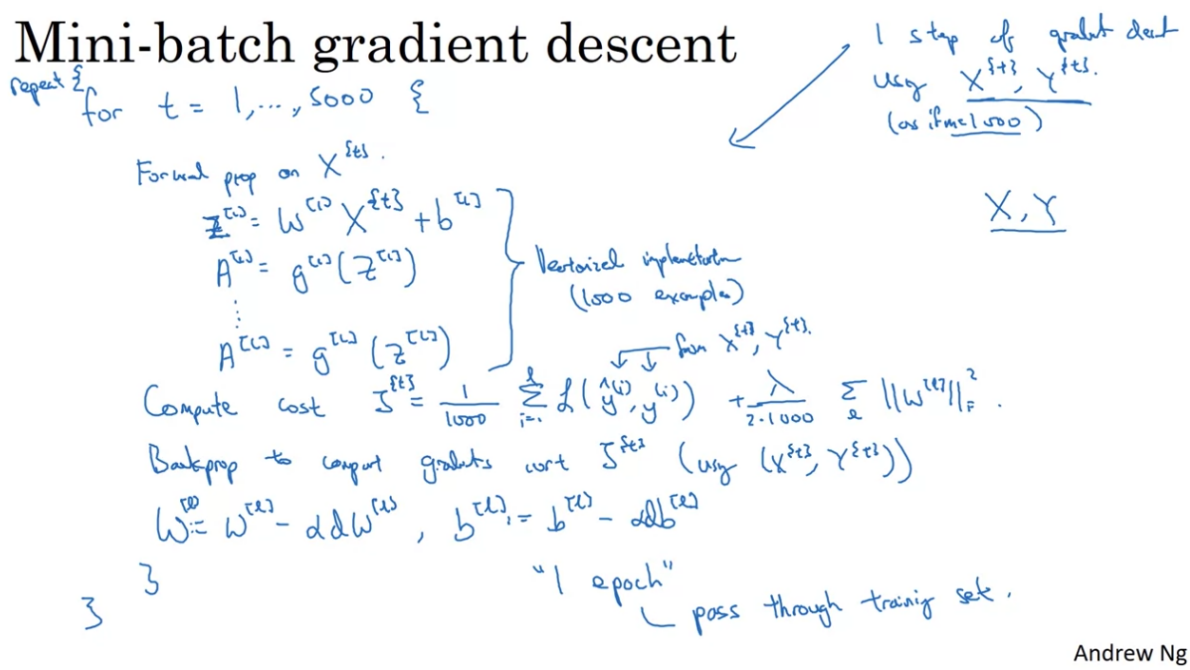


- x{t} y{y}는 미니배치를 의미한다
  - x{1}의 shape: (nx, 1000)
  - x{2}의 shape: (nx, 1000)
  - ...

Mini-batch gradient descent



L has been used previously to indicate the number of the layer in the network, in this particular example was also used to indicate the number of samples in the mini-batch.

- 1 epoch - "means pass through training set"
- mini-batch > batch: much faster!
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