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Backpropagation in Practice

From "Deep Learning" NIPS'2015 Tutorial

- Use ReLU non-linearities
- Use cross-entropy loss for classification
- Use Stochastic Gradient Descent on minibatches
- Shuffle the training samples (— very important)
- Normalize the input variables (zero mean, unit variance)
- Schedule to decrease the learning rate
- Use "dropout" for regularization