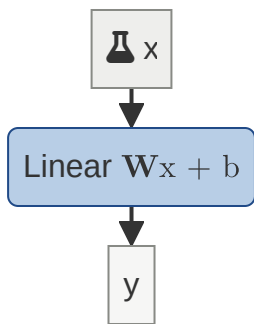


First Example - Summary

First Example - Summary

Train a single layer deep network

Task / Model

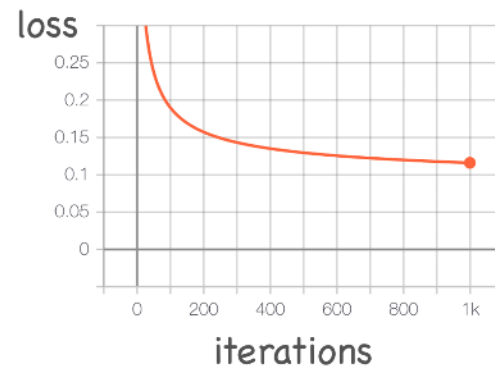


Dataset / Loss



$$l(\theta|\mathbf{x}, \mathbf{y})$$

Training / Optimization



First Example - Summary

- We trained our first "deep" network
 - Linear models - not very expressive
 - Illustrated basic concepts of deep learning
 - Overall setup and structure shared with deeper networks
- Next: Let's make the networks deeper